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Pragmatic Randomized Clinical Trials

2021-04-08

pragmatic randomized clinical trials using primary data collection and electronic health records addresses the practical aspects and challenges of the design implementation and dissemination of pragmatic randomized trials also sometimes referred to as practical or hybrid randomized trials while less restrictive and more generalizable than traditional randomized controlled trials such trials have specific challenges which are addressed in this book the book contains chapters encompassing common designs along with advantages and limitations of such designs analytic aspects in planning trials and estimating sample size and how to use patient partners to help design and operationalize pragmatic randomized trials pragmatic trials conducted using primary data collection and trials embedded in electronic health records including electronic medical records and administrative insurance claims are addressed this comprehensive resource is valuable not only for pharmacoepidemiologists biostatisticians and clinical researchers but also across the biomedical field for those who are interested in applying pragmatic randomized clinical trials in their research addresses typical designs and challenges of pragmatic randomized clinical trials prcts encompasses analytic aspects of such trials discusses real cases on operational challenges in launching and conducting prcts in electronic health records

Rare Disease Drug Development

2021-11-08

this book provides a broad overview of rare disease drug development it offers unique insights from various perspectives including third party capital providers caregivers patient advocacy groups drug development professionals marketing and commercial experts and patients a unique reference the book begins with narratives on the many challenges faced by rare disease patient and their caregivers subsequent chapters underscore the critical multidimensional role of patient advocacy groups and the novel approaches to related clinical trials investment decisions and the optimization of rare disease registries the book addresses various rare disease drug development processes by disciplines such as oncology hematology pediatrics and gene therapy chapters then address the operational aspects of drug development including approval processes development accelerations and market access strategies the book concludes with reflections on the authors case for real world data and evidence generation in orphan medicinal drug development rare disease drug development is an expertly written text optimized for biopharmaceutical r d experts commercial experts third party capital providers patient advocacy groups patients and caregivers

Health Information - E-Book

2014-12-24

uncover the latest information you need to know when entering the growing health information management job market with health information management of a strategic resource 5th edition following the ahima standards for education for both two year hit programs and four year hia programs this new edition boasts dynamic state of the art coverage of health information management the deployment of information technology and the role of the him professional in the development of the electronic health record an easy to understand approach and expanded content on data analytics meaningful use and public health informatics content plus a handy companion website make it even easier

for you to learn to manage and use healthcare data did you know boxes highlight interesting facts to enhance learning self assessment quizzes test your learning and retention with answers available on the companion evolve website learning features include a chapter outline key words common abbreviations and learning objectives at the beginning of each chapter and references at the end diverse examples of healthcare deliveries like long term care public health home health care and ambulatory care prepare you to work in a variety of settings interactive student exercises on evolve including a study guide and flash cards that can be used on smart phones coverage of health information infrastructure and systems provides the foundational knowledge needed to effectively manage healthcare information applied approach to health information management and health informatics gives you problem solving opportunities to develop proficiency expanded data analytics meaningful use and public health informatics content prepares him professionals for new job responsibilities in order to meet today s and tomorrow s workforce needs expanded emphasis on the electronic health care record educates you in methods of data collection governance and use new chapter on data access and retention provides examples of the paper health record and its transition to the ehr new focus on future trends including specialty certifications offered by the ahima the american medical informatics associations amia and the health information management systems society himss explains the vast number of job opportunities and expanded career path awaiting you

Benefit-Risk Assessment Methods in Medical Product Development

2017-12-19

guides you on the development and implementation of b r evaluations benefit risk assessment methods in medical product development bridging qualitative and quantitative assessments provides general guidance and case studies to aid practitioners in selecting specific benefit risk b r frameworks and quantitative methods leading experts from industry regulatory agencies and academia present practical examples lessons learned and best practices that illustrate how to conduct structured b r assessment in clinical development and regulatory submission the first section of the book discusses the role of b r assessments in medicine development and regulation the need for both a common b r framework and patient input into b r decisions and future directions the second section focuses on legislative and regulatory policy initiatives as well as decisions made at the u s fda s center for devices and radiological health the third section examines key elements of b r evaluations in a product s life cycle such as uncertainty evaluation and quantification quantifying patient b r trade off preferences ways to identify subgroups with the best b r profiles and data sources used to assist b r assessment the fourth section equips practitioners with tools to conduct b r evaluations including assessment methodologies a quantitative joint modeling and joint evaluation framework and several visualization tools the final section presents a rich collection of case studies with top specialists sharing their in depth knowledge thought provoking considerations and practical advice this book offers comprehensive coverage of b r evaluation methods tools and case studies it gives practitioners a much needed toolkit to develop and conduct their own b r evaluations

Evidence-Based Practice for Public Health Emergency Preparedness and Response

2020-11-28

when communities face complex public health emergencies state local tribal and territorial public health agencies must make difficult decisions regarding how to effectively respond the public health emergency preparedness and response phepr system with its multifaceted mission to prevent protect against quickly respond to and recover from public health emergencies is inherently complex and encompasses policies organizations and programs since the events of september 11 2001 the united states has invested billions of dollars and

immeasurable amounts of human capital to develop and enhance public health emergency preparedness and infrastructure to respond to a wide range of public health threats including infectious diseases natural disasters and chemical biological radiological and nuclear events despite the investments in research and the growing body of empirical literature on a range of preparedness and response capabilities and functions there has been no national level comprehensive review and grading of evidence for public health emergency preparedness and response practices comparable to those utilized in medicine and other public health fields evidence based practice for public health emergency preparedness and response reviews the state of the evidence on phepr practices and the improvements necessary to move the field forward and to strengthen the phepr system this publication evaluates phepr evidence to understand the balance of benefits and harms of phepr practices with a focus on four main areas of phepr engagement with and training of community based partners to improve the outcomes of at risk populations after public health emergencies activation of a public health emergency operations center communication of public health alerts and guidance to technical audiences during a public health emergency and implementation of quarantine to reduce the spread of contagious illness

Use of the RE-AIM Framework: Translating Research to Practice with Novel Applications and Emerging Directions

2021-09-16

this comprehensive revision of the invaluable reference presents a rigorous survey of pain and palliative care phenomena across the lifespan and across disciplines grounded in the biopsychosocial viewpoint of its predecessor it offers up to date understanding of assessments and interventions for pain the communication of pain common pain conditions and their mechanisms and research and policy issues in keeping with the current public attention to painkiller use and misuse contributors discuss a full range of pharmacological and non pharmacological approaches to pain relief and management and palliative care is given expanded coverage with chapters on interventive ethical and spiritual concerns pain intercultural communication and narrative medicine assessment of pain tools challenges and special populations persistent pain in the older adult practical considerations for evaluation and management acute to chronic pain transition in the post surgical patient evidence based pharmacotherapy of chronic pain complementary and integrative health in chronic pain and palliative care the patient s perspective of chronic pain disparities in pain and pain care this mix of evolving and emerging topics makes the second edition of the handbook of pain and palliative care a necessity for health practitioners specializing in pain management or palliative care clinical and health psychologists public health professionals and clinicians and administrators in long term care and hospice

Handbook of Pain and Palliative Care

2019-06-12

practical data analytics for innovation in medicine building real predictive and prescriptive models in personalized healthcare and medical research using ai ml and related technologies second edition discusses the needs of healthcare and medicine in the 21st century explaining how data analytics play an important and revolutionary role with healthcare effectiveness and economics facing growing challenges there is a rapidly emerging movement to fortify medical treatment and administration by tapping the predictive power of big data such as predictive analytics which can bolster patient care reduce costs and deliver greater efficiencies across a wide range of operational functions sections bring a historical perspective highlight the importance of using predictive analytics to help solve health crisis such as the

covid 19 pandemic provide access to practical step by step tutorials and case studies online and use exercises based on real world examples of successful predictive and prescriptive tools and systems the final part of the book focuses on specific technical operations related to quality cost effective medical and nursing care delivery and administration brought by practical predictive analytics brings a historical perspective in medical care to discuss both the current status of health care delivery worldwide and the importance of using modern predictive analytics to help solve the health care crisis provides online tutorials on several predictive analytics systems to help readers apply their knowledge on today s medical issues and basic research teaches how to develop effective predictive analytic research and to create decisioning prescriptive analytic systems to make medical decisions quicker and more accurate

Practical Data Analytics for Innovation in Medicine

2023-02-08

this extensively revised new edition comprehensively reviews the rise of clinical research informatics cri it enables the reader to develop a thorough understanding of how cri has developed and the evolving challenges facing the biomedical informatics professional in the modern clinical research environment emphasis is placed on the changing role of the consumer and the need to merge clinical care delivery and research as part of a changing paradigm in global healthcare delivery clinical research informatics presents a detailed review of using informatics in the continually evolving clinical research environment it represents a valuable textbook reference for all students and practising healthcare informatics professional looking to learn and expand their understanding of this fast moving and increasingly important discipline

Clinical Research Informatics

2023-06-14

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2015 American Heart Association Guidelines Update for CPR and ECC (Japanese)

2016-08-11

neuropalliative care part one volume 190 covers a type of care that is given when there is no cure for the neurological disorder and the patient is in distress it provides a scholarly background of neuropalliative care from historic underpinnings to its practice in various geographical regions along with best practices for specific neurological disorders it covers the work of multi or interdisciplinary teams whose care is intended to make the patient as comfortable as possible and includes partners and families in treatment plans summarizes research in neuropalliative care identifies current practices in different geographic regions provides best practices for specific neurological disorders and patient populations includes advanced care planning

Neuropalliative Care

2022-08-31

learn how to perform the full range of radical pelvic procedures with this comprehensive text and atlas radical and reconstructive gynecologic cancer surgery is the first text to encompass the full range of extirpative and reconstructive surgical procedures required to treat locally advanced and recurrent pelvic cancers it is a unique blend of clinical best practices and a detailed surgical atlas with numerous high quality photographs and illustrations the book reflects the integrated multidisciplinary team approach necessary for the effective management of these cancers the surgical chapters follow a consistent presentation that includes background indications and clinical applications anatomical considerations preoperative preparation surgical procedure postoperative care and long term outcomes radical and reconstructive gynecologic cancer surgery is divided into three main parts part 1 covers the historical evolution of radical pelvic surgical procedures and provides an anatomical review of pertinent pelvic and abdominal visceral vascular and bony structures as a foundation for the detailed descriptions and illustrations of the surgical procedures that follow part 2 consists of the extirpative procedures organized by system physiology and anatomic region in a text and atlas format the detailed illustrations are complemented by operative photographs that emphasize the practical or how to aspects of each procedure part 3 includes comprehensive coverage of the full range of reconstructive procedures and surgical options available to optimize patient outcomes as well as a chapter on rehabilitation quality of life issues and symptom management

Radical and Reconstructive Gynecologic Cancer Surgery

2015-01-05

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