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The Problem of Health Technology Healthcare Technology Management Systems Advances in Mobile Health Technology Health Technology Sourcebook Patient Involvement in Health Technology Assessment Health Technology Assessment and Health Policy-making in Europe Health Technology Development and Use Future of Health Technology The Future of Health Health Technology Assessment of Medical Devices Hospital-Based Health Technology Assessment Medical Technologies and the Life World Setting Priorities for Health Technologies Assessment Strategic Health Technology Incorporation Health Technology Assessment in Japan Identifying health technologies that work : searching for evidence. Health Technology Assessment and Health Policy Today: A Multifaceted View of their Unstable Crossroads Health Technology Assessment Global Health: Changing Health Technology Development and Implementation of Health Technology Assessment Health Technology Assessment and Diffusion of Health Technology Improving Consensus Development for Health Technology Assessment MEDICAL TECHNOLOGY MANAGEMENT PRACTICE The Strategic Application of Information Technology in Health Care Organizations Compendium of Innovative Health Technologies for Low-Resource Settings (PDF) Identifying Health Technologies that Work Medical Technology into Healthcare and Society Health Technology Sourcebook International Conference on Advancements of Medicine and Health Care through Technology; 23 - 26 September 2009 Cluj-Napoca, Romania Digital Health Medical Technology Assessment Directory Improving Usability, Safety and Patient Outcomes with Health Information Technology The Economics of New Health Technologies Health Technology Assessment Transforming Health Care Medical Technology Under Proposals to Increase Competition in Healthcare Quantified Lives and Vital Data Emerging Health Technology Advances in Informatics, Management and Technology in Healthcare Techno-Anthropology in Health Informatics

The Problem of Health Technology 2014-06-03 health technology is a pivotal locus of change and controversy in health care systems and the problem of health technology offers a comprehensive and novel analysis of the topic the book illuminates the scientific and policy arguments that are currently deployed in industrialized countries by addressing the perspectives of clinicians health care managers scholars policymakers patients and industry and by establishing a dialogue between two interdisciplinary fields health technology assessment and science and technology studies pascale lehoux argues for re centering the debate around social and political questions rather than questions of affordability thereby developing an alternative framework for thinking about the implications of health technology

Healthcare Technology Management Systems 2017-07-17 healthcare technology management systems provides a model for implementing an effective healthcare technology management htm system in hospitals and healthcare provider settings as well as promoting a new analysis of hospital organization for decision making regarding technology despite healthcare complexity and challenges current models of management and organization of technology in hospitals still has evolved over those established 40 50 years ago according to totally different circumstances and technologies available now the current health context based on new technologies demands working with an updated model of management and organization which requires a re engineering perspective to achieve appropriate levels of clinical effectiveness efficiency safety and quality healthcare technology management systems presents best practices for implementing procedures for effective technology management focused on human resources as well as aspects related to liability and the appropriate procedures for implementation presents a new model for hospital organization for clinical engineers and administrators to implement healthcare technology management htm understand how to implement healthcare technology management htm and health technology assessment hta within all types of organizations including human resource impact technology policy and regulations health technology planning htp and acquisition as well as asset and risk management transfer of knowledge from applied research in ce htm htp and hta from award winning authors who are active in international health organizations such as the world health organization who pan american health organization paho american college of clinical engineering acce and international federation for medical and biological engineering ifmbe

Advances in Mobile Health Technology 2022-11-30 the covid 19 pandemic upended the lives of many and taught us the critical importance of taking care of one s health and wellness technological advances coupled with advances in healthcare has enabled the widespread growth of a new area called mobile health or mhealth that has completely revolutionized how people envision healthcare today just as smartphones and tablet computers are rapidly becoming the dominant consumer computer platforms mhealth technology is emerging as an integral part of consumer health and wellness management regimes the aim of this book is to inform readers about the this relatively modern technology from its history and evolution to the current state of the art research developments and the underlying challenges related to privacy and security issues the book s intended audience includes individuals interested in learning about mhealth and its contemporary applications from students to researchers and practitioners working in this field both undergraduate and graduate students enrolled in college level healthcare courses will find this book to be an especially useful companion and will be able to discover and explore novel research directions that will further enrich the field

Health Technology Sourcebook 2022-12 provides basic consumer health information about the application of science to develop solutions to health problems or issues such as the prevention or delay of onset of diseases or the promotion and monitoring of good health includes index glossary of related terms and other resources

Patient Involvement in Health Technology Assessment 2017-05-15 this is the first book to offer a comprehensive guide to involving patients in health technology assessment hta defining patient involvement as patient participation in the hta process and research into patient aspects this book includes detailed explanations of approaches to participation and research as well as case studies patient involvement in hta enables researchers postgraduate students hta professionals and experts in the hta community to study these complementary ways of taking account of patients knowledge experiences needs and preferences part i includes chapters discussing the ethical rationale terminology patient based evidence participation and patient input part ii sets out methodology including qualitative evidence synthesis discrete choice experiments analytical hierarchy processes ethnographic fieldwork deliberative methods social media analysis patient reported outcome measures patients as collaborative research partners and evaluation part iii contains 15 case studies setting out current activities by hta bodies on five continents health technology developers and patient organisations each part includes

discussion chapters from leading experts in patient involvement a final chapter reflects on the need to clearly define the goals for patient involvement within the context of the hta to identify the optimal approach with cohesive contributions from more than 80 authors from a variety of disciplines around the globe it is hoped this book will serve as a catalyst for collaboration to further develop patient involvement to improve hta if you re not involving patients you re not doing hta dr brian o rourke president and ceo of cadth chair of inahta

Health Technology Assessment and Health Policy-making in Europe 2008 new technologies with the potential to improve the health of populations are continuously being introduced but not every technological development results in clear health gains health technology assessment provides evidence based information on the coverage and usage of health technologies enabling them to be evaluated properly and applied to health care efficaciously promoting the most effective ones while also taking into account organizational societal and ethical issues this book reviews the relationship between health technology assessment and policy making and examines how to increase the contribution such research makes to policy and decision making processes by communicating the value and potential of health technology assessment to a wider audience both within and beyond decision making and health care management it aims ultimately to contribute to improve the health status of the population through the delivery of optimum health services

Health Technology Development and Use 2010-06-22 how do development and use of new technology relate how can users contribute to innovation this volume is the first to study these questions by following particular technologies over several product launches in detail it examines the emergence of inventive ideas about future technology and uses how these are developed into products and embedded in health care practices and how the form and impact of these technologies then evolves through several rounds of design and deployment across different types of organizations examining these processes through three case studies of health care innovations these studies reveal a blind spot in extant research on development use relations the majority of studies have examined shorter episodes moments within particular design projects implementation processes usability evaluations and human machine interactions studies with longer time frames have resorted to a relatively coarse grain size of analysis and hence lost sight of how the interchange is actually done as a result there are no social science information systems or management texts which comprehensively or adequately address how different moments sites and modes of shaping new technology determine the evolution of new technology the detailed mechanisms of learning interaction and domination between different actors and technology during these drawn out processes and the relationship of technology projects and the professional practices and social imaginations that are associated in technology development evaluation and usage the biographies of technologies and practices approach to new technology advanced in this volume offers us urgent new insight to core empirical and theoretical questions about how and where development projects gain their representations of future use and users how usage is actually designed how users requests and modifications affect designs and what kind of learning takes place between developers and users in different phases of innovation all crucial to our understanding and ability to advance new health technology and innovation more generally

Future of Health Technology 2002 this text provides a comprehensive vision of the future of health technology by looking at the ways to advance medical technologies health information infrastructure and intellectual leadership it also explores technology creations adoption processes and the impact of evolving technologies

The Future of Health 2021-10-26 learn how the future of medicine is being unlocked one digital innovation at a time the future of health is an insightful and comprehensive overview of the past present and future of digital health accomplished health innovation leader roberto ascione delivers a practical exploration of how the latest digital technologies are transforming the practice of medicine and redefining health itself by making it more accessible sustainable and human the book includes practical real world examples from the united states asia and europe of technology applications companies and start up that have changed or will change our relationship with our health and the healthcare system readers will also find how our health is becoming increasingly consumer and connected while technology is empowering patients in completely new ways and deeply transforming the doctor patient relationship discussions of how the training of medical professionals particularly doctors has changed or needs to change to meet the new digital reality examinations of how new technologies will allow doctors to dodge many of the administrative and regulatory burdens they currently face each day treatments of the ability of new technologies to unlock new holistic ways of practicing medicine with a focus on latest developments such as digital therapeutics and virtual reality reflections on how digital health is fostering a shift from cure to care and will unleash a human sized future for a

more accessible ubiquitous and sustainable healthcare the future of health is required reading for medical practitioners and the managers of pharmaceutical companies it will also earn a place in the libraries of medical device companies and healthcare entrepreneurs seeking an incisive treatment of the impact of digital technology on all aspects of healthcare also the general public interested in understanding how to take better control of their own health through digital technologies will find this book insightful and easy to comprehend

Health Technology Assessment of Medical Devices 2012-10-25 who and partners have been working towards devising an agenda an action plan tools and guidelines to increase access to appropriate medical devices this document is part of a series of reference documents being developed for use at the country level the series will include the following subject areas policy framework for health technology medical device regulations health technology assessment health technology management needs assessment of medical devices medical device procurement medical equipment donations medical equipment inventory management medical equipment maintenance computerized maintenance management systems medical device data medical device nomenclature medical devices by health care setting medical devices by clinical procedures medical device innovation research and development these documents are intended for use by biomedical engineers health managers donors nongovernmental organizations and academic institutions involved in health technology at the district national regional or global levels hta is the systematic evaluation of properties effects and or impacts of health technology its main purpose is to inform technology related policy making in health care and thus improve the uptake of cost effective new technologies and prevent the uptake of technologies that are of doubtful value for the health system it is one of three complementary functions to ensure the appropriate introduction and use of health technology the other two components are regulation which is concerned with safety and efficacy and assessment of all significant intended as well as unintended consequences of technology use and management which is concerned with the procurement and maintenance of the technology during its life cycle the performance of health systems is strengthened when the linkages and exchange among these elements are clearly differentiated but mutually supportive this document integrates health technology assessment into the who framework for evidence informed policy making health systems are strengthened when hta is integrated into the human and material resources data transparent decision and policy making and linked to the overall vision of equity and accountability good governance can rely on health technology assessment to provide a policy approach that is accountable for its decisions to the population

Hospital-Based Health Technology Assessment 2017-01-23 a timely work describing how localized hospital based health technology assessment hb hta complements general arms length hta agency efforts and what has been the collective global impact of hb hta across the globe while hb hta has gained significant momentum over the past few years expertise in the field and information on the operation and organization of hb hta has been scattered this book serves to bring this information together to inform those who are currently working in the field of hta at the hospital regional national or global level in addition this book is intended for decision makers and policy makers with a stake in determining the uptake and decommissioning of new and established technologies in the hospital setting hta has traditionally been performed at the national regional level by hta agencies typically linked to governments yet hospitals are the main entry door for most health technologies hts hospital decision makers must undertake multiple high stakes investment and disinvestment decisions annually for innovative hts usually without adequate information despite the existence of arms length hta agencies inadequate information is available to hospital decision makers either because relevant hta reports are not yet released at the time of entry of new technologies to the field or because even when the report exists the information contained is insufficient to clarify the contextualized informational needs of hospital decision makers therefore there has recently been a rising trend toward hospital based hta units and programs these units programs complement the work of national regional hta agencies by providing the key and relevant evidence needed by hospital decision makers in their specific hospital context and within required decision making timelines the emergence of hb hta is creating a comprehensive hta ecosystem across health care levels which creates better bridges for knowledge translation through relevance and timeliness

Medical Technologies and the Life World 2007-01-24 although the use of new health technologies in healthcare and medicine is generally seen as beneficial there has been little analysis of the impact of such technologies on people s lives and understandings of health and illness this ground breaking book explores how new technologies not only provide hope for cure and well being but also introduce new ethical dilemmas and raise questions about the natural body focusing on the ways new health technologies intervene into our lives and affect our ideas about normalcy the body and identity medical technologies

and the life world explores how new health technologies are understood by lay people and patients how the outcomes of these technologies are communicated in various clinical settings how these technologies can alter our notions of health and illness and create new illness written by authors with differing backgrounds in phenomenology social psychology social anthropology communication studies and the nursing sciences this sensational text is essential reading for students and academics of medical sociology health and allied studies and anyone with an interest in new health technologies

Setting Priorities for Health Technologies Assessment 1992-02-01 the problem of deciding which health care technologies to evaluate is urgent with new technologies proliferating alongside steadily increasing health care costs it is critical to discriminate among technologies to direct tests and treatments at those who can benefit the most given the vast number of clinical problems and technologies to be evaluated the many months of work required to study just one problem and the relatively few clinicians with highly developed analytic skills institutions must set priorities for assessment this book sets forth criteria and a method that can be used by public agencies such as the office of health technology assessment in the u s public health service and by any private organization conducting such work to decide which technologies to assess or reassess

Strategic Health Technology Incorporation 2022-06-01 technology is essential to the delivery of health care but it is still only a tool that needs to be deployed wisely to ensure beneficial outcomes at reasonable costs among various categories of health technology medical equipment has the unique distinction of requiring both high initial investments and costly maintenance during its entire useful life this characteristic does not however imply that medical equipment is more costly than other categories provided that it is managed properly the foundation of a sound technology management process is the planning and acquisition of equipment collectively called technology incorporation this lecture presents a rational strategic process for technology incorporation based on experience some successful and many unsuccessful accumulated in industrialized and developing countries over the last three decades the planning step is focused on establishing a technology incorporation plan tip using data collected from an audit of existing technology evaluating needs impacts costs and benefits and consolidating the information collected for decision making the acquisition step implements tip by selecting equipment based on technical regulatory financial and supplier considerations and procuring it using one of the multiple forms of purchasing or agreements with suppliers this incorporation process is generic enough to be used with suitable adaptations for a wide variety of health organizations with different sizes and acuity levels ranging from health clinics to community hospitals to major teaching hospitals and even to entire health systems such a broadly applicable process is possible because it is based on a conceptual framework composed of in depth analysis of the basic principles that govern each stage of technology lifecycle using this incorporation process successful tips have been created and implemented thereby contributing to the improvement of healthcare services and limiting the associated expenses table of contents introduction conceptual framework the incorporation process discussion conclusions

Health Technology Assessment in Japan 2019-09-20 representing the first book on the topic this work offers the reader an introduction to the japanese systems for health technology assessment hta officially introduced by the ministry of health labour and welfare mhlw in 2016 policy and guidelines are discussed with the relevant methods and conditions of cost effectiveness analysis explained alongside numerous instructive examples and exercises ranging from basic to advanced impart valuable knowledge and insight on the quantitative methods for economic evaluation which will appeal to both beginners and experts this guidebook is authored by japan s foremost expert in hta and pharmacoeconomics with a view to strengthening the reader s expertise in value based healthcare and decision making the methods presented are essential to informing regulatory local and patient decisions as such the book is equally recommended to industry and government as well as academia and anyone with an interest in japanese hta

Identifying health technologies that work : searching for evidence. 1994 this book disentangles the issues in connection with the advancement of health technology assessment hta and its interface with health policy it highlights the factors that should shape its progress in the near future interdisciplinary and critical views from a number of professionals are put together in a prescient order to cast some light and make recommendations as to the next steps hta should take to be fit for purpose a wealth of documents dealing with hta have been published over the last three decades hta allegedly is one of the bedrocks of regulation and medical decision making however counter vailing visions contend that geographical variations in the role that hta is actually playing within countries pinpoints specific room for improvement given our social preferences cherry picking hta s features and successes over the last decades moves it away from its possibility frontier some of the most noteworthy hindrances that hta faces in several countries to

making headway towards its consolidation as an efficient tool for regulation and decision making are as follows insufficient resources delays in assessment inadequate priority setting regulatory capture public distrust actual influence on regulatory decisions the need for strengthening international cooperation and harmony the lack of sound and consistent assessments of diagnostic tests medical devices and surgical innovations and limited dissemination time has come for hta to take a renewed stand there is a pressing need to submit hta to in depth critical scrutiny

Health Technology Assessment and Health Policy Today: A Multifaceted View of their Unstable Crossroads 2015-01-08 the term health technology refers to drugs devices and programs that can improve and extend quality of life as decision makers struggle to find ways to reduce costs while improving health care delivery health technology assessments hta provide the evidence required to make better informed decisions this is the first book that focuses on the s

Health Technology Assessment 2015-04-10 global health is an area of study research and practice that focuses on improving health and achieving equity in health for all people around the world the objectives of global health include improving worldwide health reducing disparities and protecting global threats that overlook national borders it consists of various perspectives that emphasize the factors and administration of health in international contexts medicine epidemiology demography economics and other social sciences such as sociology development studies psychology anthropology cultural studies and law can help in recognizing the determinants of health in societies technology plays a major role in the advancement of healthcare and medicine digital technologies such as artificial intelligence ai virtual reality vr healthcare trackers wearables sensors telehealth and telemedicine etc are now being used increasingly to make the healthcare systems cheaper faster and more effective in managing diseases the topics included in this book on global health and health technology are of utmost significance and will provide incredible insights to the readers it will help the readers in keeping pace with the rapid changes in this field

Global Health: Changing Health Technology 2023-09-19 this book analyses the factors that influence the development and implementation of health technology assessment hta from multiple perspectives it investigates the development of hta activities in decentralized countries with a specific focus on the analysis of healthcare professionals perceptions although these perceptions are highly relevant in terms of implementing hta processes especially at the local level they are rarely captured and require further investigation which this book provides in particular hta has been introduced as a support tool for reviewing and assessing the introduction and dissemination of healthcare technologies the book discusses how individual and organisational factors affect knowledge production and translation and their relevance in the context of hta furthermore it explores how hta could be more successfully implemented in decentralized healthcare systems

Development and Implementation of Health Technology Assessment 2021-03-27 poulsen health economics u of southern denmark after discussing the international theoretical and historical development of the form of policy research that examine the short and long term social consequences of the application of certain technologies explains models of innovation and diffusion of technology in economics and sociology he then treats a case study of the diffusion of laparoscopic technologies in denmark and presents an economic analysis of diffusion finally he presents policy recommendations for denmark based on his empirical findings

Health Technology Assessment and Diffusion of Health Technology 1999 considers medical technology consensus development programs in canada denmark finland netherlands norway sweden england and the united states

Improving Consensus Development for Health Technology Assessment 1990-02-01 this thoroughly revised and updated second edition of the strategic application of information technology in health care organizations offers health care executives and managers a balanced analysis of health care information systems written by john glaser a renowned expert in the field of health care information technology this important resource shows health care professionals how to use it to reduce costs respond to the demands of managed care develop a continuum of care and manage and improve the quality of service to patients payers and physicians

MEDICAL TECHNOLOGY MANAGEMENT PRACTICE 2003-01-01 one of the cornerstones of the universal health coverage uhc initiative is access to essential medicines andhealth technologies medical devices assistive devices and ehealth solutions are important components ofhealth technology which have the potential to save lives and improve quality of life and well being however too many people worldwide suffer because they don t have access to high

quality affordable health technologywith the problem being more acute in low and middle income countries the objective of the compendium series of innovative medical devices assistive devices and ehealth solutionsis to provide a neutral platform for technologies which are likely to be suitable for use in less resourcedsettings it presents a snapshot of several health technologies which might have the potential to improvehealth outcomes and the quality of life or to offer a solution to an unmet medical health technology need it is released to acknowledge some success stories and at the same time to raise awareness of the pressingneed for appropriate and affordable design solutions and to encourage more innovative efforts in the field this effort also aims to encourage greater interaction among ministries of health procurement officers donors technology developers manufacturers clinicians academics and the general public to ensure greaterinvestment in health technology and to move towards universal access to essential health technologies all submissions to the call for innovative health technologies for low resource settings underwent anevaluation process technologies were assessed by an expert panel based on the material and evidenceprovided by the applicant as well as publicly available information in 2013 unlike previous years inclusion inthe compendium for medical devices was restricted to commercialized products with regulatory approval note that for a selected technology the inclusion in the compendium does not constitute a warranty forfitness of the technology for a particular purpose all innovative solutions in the compendium are presented in one page summarizing the health problemaddressed the proposed solution and product specifications based on data information and images providedby the developers of the technologies concerned

The Strategic Application of Information Technology in Health Care Organizations 2004-03-01 from bandage to the bioreactor this book looks at five different device technologies from inception to healthcare practice drawing on medical sociology science and technology studies and political science it examines evidence regulation and governance processes and diverse stakeholders in innovating the technologies that shape health care

Compendium of Innovative Health Technologies for Low-Resource Settings (PDF) 2014-03-14 consumer health information about the medicine and technology telehealth medical devices screening and detection technologies nanotechnology health information technology artificial intelligence ai stem cell research and medical technology laws policy legislation and regulations includes index glossary of related terms and a list of resources for additional help and information

Identifying Health Technologies that Work 1994 projections for advances in medical and biological technology will transform medical care and treatment this in great part is due to the result of the interaction and collaboration between medical sciences and engineering these advances will result in substantial progress in health care and in the quality of life of the population frequently however the implications of technologies in terms of increasing recurrent costs additional required support services change in medical practice and training needs are underestimated as a result the widespread irrational use of te nologies leads to a wastage of scarce resources and weakens health systems performance to avoid such problems a syst atic and effective health technology system must be developed and introduced requiring the support and commitment of decision makers of all levels of the health system the meditech2009 conference aims to provide a special opportunity for the romanian professionals involved in basic search r d industry and medical applications to exchange their know how and build up collaboration in one of the most human field of science and techniques the conference is intended to be an international forum for researchers and practit ners interested in the advance in and applications of biomedical engineering to exchange the latest research results and ideas in the areas covered by the topics and not only we believe the reader will find the proceedings an impressive document of progress to date in this rapidly changing field

Medical Technology into Healthcare and Society 2008-11-28 digital health mobile and wearable devices for participatory health applications is a key reference for engineering and clinical professionals considering the development or implementation of mobile and wearable solutions in the healthcare domain the book presents a comprehensive overview of devices and appropriateness for the respective applications it also explores the ethical privacy and cybersecurity aspects inherent in networked and mobile technologies it offers expert perspectives on various approaches to the implementation and integration of these devices and applications across all areas of healthcare the book is designed with a multidisciplinary audience in mind from software developers and biomedical engineers who are designing these devices to clinical professionals working with patients and engineers on device testing human factors design and user engagement compliance presents an overview of important aspects of digital health from patient privacy and data security to the development and implementation of networks systems and devices provides a toolbox for stakeholders involved in the decision making regarding the design

development and implementation of mhealth solutions offers case studies key references and insights from a wide range of global experts

Health Technology Sourcebook 2021 for the first time a single reference identifies medical technology assessment programs a valuable guide to the field this directory contains more than 60 profiles of programs that conduct and report on medical technology assessments each profile includes a listing of report citations for that program and all the reports are indexed under major subject headings also included is a cross listing of technology assessment report citations arranged by type of technology headings brief descriptions of approximately 70 information sources of potential interest to technology assessors and addresses and descriptions of 70 organizations with memberships activities publications and other functions relevant to the medical technology assessment community

International Conference on Advancements of Medicine and Health Care through Technology; 23 - 26 September 2009 Cluj-Napoca, Romania 2010-02-01 information technology is revolutionizing healthcare and the uptake of health information technologies is rising but scientific research and industrial and governmental support will be needed if these technologies are to be implemented effectively to build capacity at regional national and global levels this book improving usability safety and patient outcomes with health information technology presents papers from the information technology and communications in health conference itch 2019 held in victoria canada from 14 to 17 february 2019 the conference takes a multi perspective view of what is needed to move technology forward to sustained and widespread use by transitioning research findings and approaches into practice topics range from improvements in usability and training and the need for new and improved designs for information systems user interfaces and interoperable solutions to governmental policy mandates initiatives and the need for regulation the knowledge and insights gained from the itch 2019 conference will surely stimulate fruitful discussions and collaboration to bridge research and practice and improve usability safety and patient outcomes and the book will be of interest to all those associated with the development implementation and delivery of health it solutions

Digital Health 2020-11-14 technological change in healthcare has led to huge improvements in health services and the health status of populations it is also pinpointed as the main driver of healthcare expenditure although offering remarkable benefits changes in technology are not free and often entail significant financial as well as physical or social risks these need to be balanced out in the setting of government regulations insurance contracts and individuals decisions to use and consume certain technologies with this in mind this book addresses the following important objectives to provide a detailed analysis of what technological change is to identify drivers of innovation in several healthcare areas to present existing mechanisms and processes for ensuring and valuing efficiency and development in the use of medical technologies and to analyse the impact of advances in medical technology on health healthcare expenditure and health insurance each of the seventeen chapters summarizes an important issue concerning the innovation debate and contributes to a better understanding of the role innovation has both at the macro level and at the delivery meso and micro level in the healthcare sector the effectiveness of innovation in improving people s welfare depends on its diffusion and inception by the relevant agents in the health production process and this book recognizes the multi faceted contribution of policy makers regulators managers technicians consumers and patients to this technology change this book offers the first truly global economic analysis of healthcare technologies taking the subject beyond simply economic evaluation and exploring the behavioural aspects organization and incentives for new technology developments and the adoption and diffusion of these technologies

Medical Technology Assessment Directory 1988-02-01 le innovazioni tecnologiche e organizzative sono all ordine del giorno in ambito sanitario valutarne l efficacia i benefici e i costi rappresenta una sfida fondamentale per i decisori coinvolti l health technology assessment hta costituisce un valido aiuto a questo scopo fornendo informazioni basate sull evidenza volte a valutare le tecnologie sanitarie e a prendere decisioni in merito al loro impiego o alla loro sostenibilità il libro descrive gli aspetti di base dell hta ne riassume gli strumenti di valutazione e ne esamina gli effetti sui sistemi sanitari proponendosi di incrementare la consapevolezza dell esistenza e dell utilità delle tecniche di hta

Improving Usability, Safety and Patient Outcomes with Health Information Technology 2019-03-26 the future of healthcare technologies and what they mean for investors and entrepreneurs the healthcare technology revolution is just around the corner and when it arrives it will change and enrich our lives in ways we can only begin to imagine doctors will perform blood pressure readings via video chat and nutritionists will analyze diet based on photos taken with cellphone cameras transforming health care combines healthcare technology and finance in an innovative new way that explains the future of

healthcare and its effects on patient care exploring the emergence of electronic tools that will transform the medical industry explaining how technology not politics will lead the future of the healthcare revolution author and healthcare technology expert phil fasano presents real life examples that show how the next generation of medical breakthroughs will come from the instant exchange of information across the world explores how new technologies will radically change the future of healthcare by making it easier to share information rapidly explains what the future of the high tech medical industry means for investors and entrepreneurs written by a respected healthcare and health technology expert offering an unprecedented look at how technology is transforming the healthcare industry and what it will mean for future investors and entrepreneurs transforming health care is a remarkable insight into the next generation of health technologies

The Economics of New Health Technologies 2009-05-14 this book raises questions about the changing relationships between technology people and health it examines the accelerating pace of technological development and a general shift to personalized patient led medicine such relationships are increasingly mediated through particular medical technologies drawn together by the authors as personal medical devices pmds devices that are attached to worn by interacted with or carried by individuals for the purposes of generating biomedical data and carrying out medical interventions on the person concerned the burgeoning pmd field is advancing rapidly across multiple domains and disciplines so rapidly that conceptual and empirical research and thinking around pmds and their clinical social and philosophical implications often lag behind new technical developments and medical interventions this timely and original volume explores the significant and under researched impact of personal medical devices on contemporary understandings of health and illness it will be a valuable read for scholars and practitioners of medicine health science and technology and social science

Health Technology Assessment 2010-01-29 this book reports cutting edge cases of emerging health technologies some health care fields are experiencing paradigmatic shifts because of robotic technologies and the new relationships that they create in r health r curing and r caring activities the book explores emerging health care technologies such as image guided surgical robotics pharmacy robots new visualisation methods 3d 4d 5d and home telehealth management systems and their acceptance in the workplace but also more generally their special role in business and society these technologies allow health care professionals to effectively reach far beyond the current service offerings providing new methods for communication diagnosis and treatment the relocation of certain knowledge areas from physicians to patients in self care management or the reconfiguration of health care expertise from one health profession to another are examples of topics developed in this book the book describes the emerging relocation of innovative visual knowledge and expertise within health care organisations and beyond such as in the patient s home environment

Transforming Health Care 2013-02-18 data science informatics and technology have inspired health professionals and informaticians to improve healthcare for the benefit of all patients and the field of biomedical and health informatics is one which has become increasingly important in recent years this volume presents the papers delivered at icimth 2022 the 20th international conference on informatics management and technology in healthcare held in athens greece from 1 3 july 2022 the icimth conference is an annual scientific event attended by scientists from around the world working in the field of biomedical and health informatics this year thanks to the improvement in the situation as regards the covid 19 pandemic and the consequent lifting of restrictions the conference was once again a live event but virtual sessions by means of teleconferencing were also enabled for those unable to travel due to local restrictions the field of biomedical and health informatics was examined from a very broad perspective with participants presenting the research and application outcomes of informatics from cell to populations including several technologies such as imaging sensors biomedical equipment and management and organizational aspects including legal and social issues more than 230 submissions were received with a total of 130 accepted as full papers and 19 as short communication and poster papers after review as expected a significant number of papers were related to the covid 19 pandemic providing a state of the art overview of biomedical and health informatics the book will be of interest to all those working in the field of healthcare researchers and practitioners alike

Medical Technology Under Proposals to Increase Competition in Health Care 1982 techno anthropology is an emerging interdisciplinary research field focusing on human technology interactions and relations and how these can be understood and facilitated in context techno anthropology also considers how technological innovation development and implementation can be made in an appropriate and pragmatic way in relation to understanding work practices techno anthropology has much to offer the health informatics and ehealth fields and this book presents the work of experienced international researchers

who share here how they have applied techno anthropology methodologies to their research the book is divided into three sections ethnographic and anthropological perspectives on methodology ethical and sociotechnical approaches and users participation and human factors topics covered include learning the craft of techno anthropology anthropological approaches in studying technology induced errors technology and the ecology of chronic illness in everyday life techno anthropologists as agents of change and using rapid ethnography to support the design and implementation of health information technologies as well as many more of interest to researchers and practitioners within the health informatics field as well as students and scholars the book will inspire researchers and practitioners to examine health informatics from a new perspective

Quantified Lives and Vital Data 2017-10-05

Emerging Health Technology 2012-11-02

Advances in Informatics, Management and Technology in Healthcare 2022-08-05

Techno-Anthropology in Health Informatics 2015-08-06