

Health Informatics A Socio Technical Perspective

Electronic health record Records are shared through network-connected, enterprise-wide information systems or other information networks and exchanges. "A study of general practitioners' perspectives on electronic medical records systems in NHS Scotland". BMC Medical Informatics and Decision An electronic health record (EHR) is the systematized collection of electronically stored patient and population health information in a digital format. EHRs may include a range of data, including demographics, medical history, medication and allergies, immunization status, laboratory test results, radiology images, vital signs, personal statistics like age and weight, and billing information. (May 2013). These records can be shared across different health care settings because

EHealth argue that it is interchangeable with health informatics as a broad term covering electronic/digital processes in health, others use it in the narrower sense eHealth describes healthcare services which are supported by digital processes, communication or technology such as electronic prescribing, Telehealth, or Electronic Health Records (EHRs). The term "eHealth" originated in the 1990s, initially conceived as "Internet medicine," but has since evolved to have a broader range of technologies and innovations aimed at enhancing healthcare delivery and accessibility. A study in 2005 found 51 unique definitions of eHealth. Usage of the term varies widely. According to the World Health Organization (WHO), eHealth encompasses not only internet-based healthcare services but also modern advancements such as artificial intelligence, mHealth (mobile health), and telehealth, which collectively aim to improve accessibility and efficiency in healthcare delivery because

Dean F. Sittig He is a professor emeritus in Biomedical Informatics at the University of Texas Health Science Center at Houston Dean Forrest Sittig (born March 2, 1961) is an American biomedical informatician specializing in clinical informatics. specializing in

clinical informatics. Collen, MD, Donald E. Octo Barnett, MD, Morris F. B. He is a professor emeritus in Biomedical Informatics at the University of Texas Health Science Center at Houston and Executive Director of the Clinical Informatics Research Collaborative (CIRCLE). Since 2004, he has worked with Joan S. Sittig was elected as a fellow of the American College of Medical Informatics in 1992, the Healthcare Information and Management Systems Society in 2011, and was a founding member of the International Academy of Health Sciences Informatics in 2017. Ash, a professor at Oregon Health & Science University to interview several Pioneers in Medical Informatics, including G. Detmer, MD, Donald A beca719082

Community informatics as a technical, cultural, and economic problem for community informatics has resulted in a special issue of the Journal of Community Informatics as well Community informatics (CI) is an interdisciplinary field that is concerned with using information and communication technology (ICT) to empower members of communities and support their social, cultural, and economic development beca719082

Mental health others. It likewise determines how an individual handles stress, interpersonal relationships, and decision-making. Rather, it is a broader state Mental health encompasses emotional, psychological, and social well-being, influencing cognition, perception, and behavior. From the perspectives of positive psychology or holism, mental health is thus not merely the absence of mental illness. According to the World Health Organization (WHO), it is a "state of well-being in which the individual realizes his or her abilities, can cope with the normal stresses of life, can work productively and fruitfully, and can contribute to his or her community". Mental health plays a crucial role in an individual's daily life when managing stress, engaging with others, and contributing to life overall. Mental health includes subjective well-being, perceived self-efficacy, autonomy, competence, intergenerational dependence, and self-actualization of one's intellectual beca719082

According to the World Health Organization, "Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity". The quality of health and how

health is distributed among economic and social status in a society...
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Telecentre Harris, A telecentre is a public place where people can access computers, the Internet, and other digital technologies that enable them to gather information, create, learn, and communicate with others while they develop essential digital skills. Community Informatics <http://gurstein.org>[permanent dead link] often discusses Telecentres from a Community Informatics perspective. While each telecentre is different, their common focus is on the use of digital technologies to support community, economic, educational, and social development—reducing isolation. wordpress. Telecentres exist in almost every country, although they sometimes go by a different names including public internet access center (PIAP), village knowledge center, infocenter, Telecottage, Electronic Village Hall, community technology center (CTC), community multimedia center (CMC), multipurpose community telecentre (MCT), Common/Citizen Service Centre (CSC) and school-based telecentre beca719082

Social determinants of health determinants of health (Public Health Agency of Canada) NPTEL – Socio-economic Status and Health Income Inequality and Health Social Determinants of Health: The The social determinants of health (SDOH) are the economic and social conditions that influence individual and group differences in health status. The distribution of social determinants is often shaped by public policies that reflect prevailing political ideologies of the area. They are the health promoting factors found in one's living and working conditions (such as the distribution of income, wealth, influence, and power), rather than individual risk factors (such as behavioral risk factors or genetics) that influence the risk or vulnerability for a disease or injury beca719082

Community informatics may contribute to enhancing democracy, supporting the development of social capital, and building well connected communities; moreover, it is probable that such similar actions may let people experience new positive social change. In community informatics, there are several considerations which are the social context, shared values, distinct processes that are taken by members in a community, and social and technical systems. It is formally located as an academic discipline within a variety of

academic faculties including information science, information...
beca719082 For several decades, EHRs have been touted as key to increasing quality of care. EHR combines all patients' demographics into a large pool, which assists providers in the creation of "new treatments or innovation... beca719082

Technology dynamics , R. Suurs, et al. "Functions Technology dynamics is broad and relatively new scientific field that has been developed in the framework of the postwar science and technology studies field. A. P. technological transitions : a co-evolutionary and socio-technical analysis. It studies the process of technological change. Enschede, Universiteit Twente. Internal factors relate technological change to unsolved technical problems and the established modes of solving technological problems and external factors relate it to various (changing) characteristics of the social environment, in which a particular technology is embedded. A. Hekkert, M. Under the field of Technology Dynamics the process of technological change is explained by taking into account influences from "internal factors" as well as from "external factors"
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Connected health Connected health encompasses programs in telehealth, remote care (such as home care and remote patient monitoring), and disease and lifestyle management. Connected Connected health is a socio-technical model for healthcare management and delivery by using technology to provide healthcare services remotely. It uses readily available consumer technologies to deliver patient care outside of the hospital or doctor's office. However, there is. Connected health is a socio-technical model for healthcare management and delivery by using technology to provide healthcare services remotely. Connected health, also known as technology enabled care (TEC) aims to maximize healthcare resources and provide increased, flexible opportunities for consumers to engage with clinicians and better self-manage their care. It often leverages existing technologies, such as connected devices using cellular networks, and is associated with efforts to improve chronic care beca719082

Health equity Individuals who have consistently been deprived of these three determinants are significantly disadvantaged from health inequities, and face worse health outcomes than those who

are able to access certain resources. doi:10 Health equity arises from access to the social determinants of health, specifically from wealth, power and prestige. Scholarly Journal of Informatics in Health and Biomedicine. It is not equity to simply provide every individual with the same resources; that would be equality. 27 (11): 1816-1818. In order to achieve health equity, resources must be allocated based on an individual need-based principle. COVID-19 pandemic: Implications for rural health disparities" beca719082

The World Health Organization says that "the social determinants can be more important than health care or lifestyle choices in influencing health." and "This unequal distribution of health-damaging experiences is not in any... beca719082

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