

Information Discovery On Electronic Health Records

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Explore the critical process of information discovery within Electronic Health Records (EHRs), revealing how advanced analytics and data mining techniques extract meaningful insights from complex patient data. This crucial endeavor enhances clinical decision-making, improves patient outcomes, and fuels vital medical research by transforming raw data into actionable intelligence for healthcare professionals.

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Information Discovery On Electronic Health Records

Information Retrieval from the Electronic Health Records for Patient Cohort Discovery - Information Retrieval from the Electronic Health Records for Patient Cohort Discovery by College of Health 233 views 5 years ago 58 minutes - William Hersh, MD is a leader and innovator in biomedical informatics both in education and research. In education, he developed ...

Re-use of clinical data • Many re-uses (secondary use) of EHR data, including (Safran, 2007) - Clinical and translational research-generating hypotheses and facilitating research

Evaluation of IR systems (Harm 2011) System-oriented - how well system performs - Historically focused on relevance-based measures - Recall and precision - proportions of relevant documents - When documents ranked, can combine both in a single measure - Normal discounted cumulative gain (NDCG)

Some well-known challenge evaluations in IR • Text Retrieval Conference (TREC, nist.gov; Voorhees, 2005) - sponsored by National Institute for Standards and technology (NIST), started in 1992

TREC Medical Records Tra Focused on use case of identifying patients for possible recruitment into clinical studies - Task to "retrieve" patients who fit search criteria • Used de-identified EHR data from University of Pittsburgh Medical Center (UPMC) • Ran for two years (Voorhees, 2011; Voorhees, 2012; Voorhees, 2013)

Topic development and relevant assessments for 2011 track • Task - Identify patients who are possible candidates for clinical studies/trials • Topics derived from 100 top critical medical research priorities in comparative effectiveness research (IOM, 2009) - Selected 35 topics assessed for appropriateness for data and with at least some relevant "visits" . Relevance judgments by physicians who were OHSU informatics students

Future directions Starting collaborative project with a pharmaceutical company to detect signals of a rare disease with common symptoms, porphyria • Developing new methods to allow access to highly private data by other researchers (Hanbury, 2015; Roegiest, 2016) - Used for email spam detection, corporate

Electronic Health Records: Past, Present, and Future - Electronic Health Records: Past, Present, and Future by Extreme Networks 18,590 views 1 year ago 3 minutes, 40 seconds - An animated timeline of the evolution of **Electronic Health Records, (EHR,)** and where they are headed in the future.

Electronic Health Record - Electronic Health Record by HSE Ireland 25,194 views 5 years ago 2 minutes, 6 seconds - Description.

Why electronic health records? - Why electronic health records? by Canada Health Infoway 118,088 views 12 years ago 2 minutes, 8 seconds - The need for centralized **health records**, available to all authorized **health**, care providers, clearly explained.

Electronic Health Records: Usability and Unintended Safety Issues - Electronic Health Records: Usability and Unintended Safety Issues by Pew 76,527 views 6 years ago 2 minutes, 30 seconds

- Across the country, virtually all doctor's offices and hospitals use **electronic health records**, or EHRs, to capture patient **information**.

Doc Digs Electronic Health Records - Doc Digs Electronic Health Records by Discovery 5,969 views 14 years ago 2 minutes, 20 seconds - How hard is it to digitize our **health records**? James Williams answers that question with a trip to an Ear, Nose and Throat ...

The future of AI in medicine | Conor Judge | TEDxGalway - The future of AI in medicine | Conor Judge | TEDxGalway by TEDx Talks 16,067 views 3 months ago 14 minutes, 19 seconds - While AI is a scary concept for most, it has massive potential to revolutionise and better **medical**, care. From reducing time spent by ...

DAY IN THE LIFE: HEALTH INFORMATION MANAGEMENT/MEDICAL RECORDS CLERK/ BIRTH REGISTRAR - DAY IN THE LIFE: HEALTH INFORMATION MANAGEMENT/MEDICAL RECORDS CLERK/ BIRTH REGISTRAR by Kristy Danielle 12,347 views 1 year ago 8 minutes, 36 seconds - 9to5life #dayinthelife #medicalrecords #birthcertificate #hospitallife #birthcertificate Today's video, I take yall to work and give you ...

What is the BEST Electronic Health Record (EHR)? - What is the BEST Electronic Health Record (EHR)? by Maelisa McCaffrey 11,118 views 1 year ago 6 minutes, 51 seconds - Dr. Maelisa McCaffrey reviews the 5 things your **electronic health record**, (**EHR**,) needs for a psychotherapy private practice.

Intro
 Nonnegotiables
 Client Portal
 Intake Documents
 EHR Setup Day

Health Information Management - How I Got Started in HIM - Health Information Management - How I Got Started in HIM by Candie 'Cole 13,717 views 1 year ago 11 minutes, 59 seconds - In today's video, I discuss my journey into getting started with my career in **Health Information**, Management (HIM) #RHIT #RHIA ...

KARMA! J6 Committee Chair CAUGHT Lying EXPOSED As IGNORANT Fool Hid EVIDENCE!!! - KARMA! J6 Committee Chair CAUGHT Lying EXPOSED As IGNORANT Fool Hid EVIDENCE!!! by GLOBAL News 5,816 views 3 days ago 19 minutes - J6 Committee chair caught lying exposed as ignorant fool hid evidence. Jan.6 farce. What the media isn't telling you about pipe ...

Last Week Tonight With Arkady LIVE - Arkady Answers Your Questions Live - 19h Of March 2024 - Last Week Tonight With Arkady LIVE - Arkady Answers Your Questions Live - 19h Of March 2024 by Frekhtman & Associates 567 views Streamed 3 days ago 55 minutes - Frekhtman & Associates specializes in serious and catastrophic injury litigation and are recognized as some of the best personal ...

Supreme Court oral arguments State v. Waldner - Supreme Court oral arguments State v. Waldner by KELOLAND News 454 views 2 days ago 58 minutes - Stay informed about South Dakota news, weather, and sports Follow KELOLAND News on our website and social channels: ...

What is eDiscovery? - What is eDiscovery? by Cyber Centaurs 18,341 views 4 years ago 2 minutes, 34 seconds - In this eDiscovery 101 video, we cover the basics of **electronic discovery**. What eDiscovery is, how it works, when it is needed and ...

Internal Medicine EHR Software Demo - Internal Medicine EHR Software Demo by Bizmatics Inc 7,809 views 2 years ago 25 minutes - An in-depth look at the internal medicine clinical workflow #emr, #healthcare #internalmedicine #medicine #clinic #workflow.

How Life Will Look Like In 2050 - How Life Will Look Like In 2050 by Simply Tech 2,702,094 views 1 year ago 9 minutes, 52 seconds - How Life Will Look Like In 2050.

Electronic Health Record HD Subtitled HD - Electronic Health Record HD Subtitled HD by HSE Ireland 2,906 views 8 years ago 2 minutes, 49 seconds - We are planning to establish an **Electronic Health Record**, (**EHR**,) system with you, the patient, at it's centre. It is important for us to ...

4 things to know about electronic health records - 4 things to know about electronic health records by USA TODAY 14,925 views 8 years ago 3 minutes, 4 seconds - AthenaHealth CEO Jonathan Bush talks about **electronic health records**, ***** Humankind: Amazing moments that give ...

EHR Chapter 1 Lecture: Introduction to Electronic Health Records - EHR Chapter 1 Lecture: Introduction to Electronic Health Records by Cody Closson 117,895 views 6 years ago 25 minutes - Each patient has his or her own record . Documentation is a vital component of the **EHR**, • Contains: **Health information**, ...

EMR vs EHR: What's the Difference? - EMR vs EHR: What's the Difference? by Jotform 29,111 views 1 year ago 4 minutes, 31 seconds - ... medical record (**EMR**,) software and **electronic health record**,

(**EHR**.) software? Whether you're gathering patient **information**, for ...

Introduction

Electronic Medical Records (EMR)

Better Tracking of Patients

Electronic Health Records (EHR)

Patient Portal

EMR vs EHR

HIPAA Compliant Forms on Jotform

Recap

Subscribe to Jotform

Benefits of Electronic Health Records - Benefits of Electronic Health Records by Health Science Channel 34,536 views 8 years ago 3 minutes, 31 seconds - Electronic Health Records,, make patient safety a priority by ensuring prescriptions are written and dispensed correctly, monitoring ...

The Future of Health Care: Electronic Health Records - The Future of Health Care: Electronic Health Records by Office of the National Coordinator for Health IT 118,717 views 12 years ago 3 minutes, 31 seconds - With an **EHR**,, a patient's **information**, is always current and coordinated, helping to eliminate medical errors and duplicative ...

Ginger Vieira

Tom Sellers, MPA

Don Berwick, MD, MPP

Electronic health records and big data: the future of medical research - Electronic health records and big data: the future of medical research by acmedsci 7,525 views 4 years ago 14 minutes, 47 seconds - His research group joins up data from **electronic health records**, and other sources across the NHS using cutting edge big data ...

Introduction

The NHS is data

Data in the wild

The patient

The people

Using Electronic Health Records For Medical Research - Using Electronic Health Records For Medical Research by Life Course Research Visual Toolkit 178 views 2 years ago 9 minutes, 58 seconds - Dr. Tatonetti talks about the use of observational data for **discovery**,. He describes the use of **electronic health records**, for medical ...

Introduction

Observations

Tools

Data

Example

Risk Scores

Data Mining

How Electronic Health Records Work - How Electronic Health Records Work by SCITexasEdu 7,823 views 3 years ago 1 minute, 4 seconds - One of the changes in healthcare has been a shift to electronic record keeping. Certified **Electronic Health Records**, Specialist ...

EHR vs. EMR Software Systems - EHR vs. EMR Software Systems by TechnologyAdvice 89,470 views 8 years ago 1 minute, 55 seconds - The business technology marketplace is diverse, and most buyers struggle to determine which options are best for them.

Blockchain for Electronic Health Records? - Blockchain for Electronic Health Records? by The future of learning 3,470 views 4 years ago 3 minutes, 12 seconds - In this video, blocksEDU's Division Head for Blockchain, George Levy, discusses the use of blockchain on **electronic health**, ...

Extracting Information from Electronic Health Records Using Natural Language Processing - Extracting Information from Electronic Health Records Using Natural Language Processing by Machine Learning for Healthcare 3,837 views 6 years ago 5 minutes, 33 seconds - **EXTRACTING INFORMATION, FROM ELECTRONIC HEALTH RECORDS, USING NATURAL LANGUAGE PROCESSING** ...

Intro to Electronic Health Records - Intro to Electronic Health Records by Health Science Channel 41,168 views 8 years ago 3 minutes, 38 seconds - This episode will highlight some important work of **health information**, pioneers and show how programs such as **electronic health**, ...

The Future of Healthcare - The Future of Healthcare by Siemens Healthineers 221,683 views 3 years ago 2 minutes, 15 seconds - The future of **healthcare**, will bring far-reaching changes, but what will

it look like? We believe that medicine will become more ...

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