

Early Detection of Pancreatic Cancer: Opportunities and Challenges in Utilizing Electronic Health Records (eHR)

MONDAY, MARCH 29, 2021 · 1:00 - 5:00 PM (EDT)



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WORKSHOP TOPIC: Solving eHR Research Challenges
One Billion Rows at a Time with the UMLS

Alex Milinovich, B.A., is Director of Research, Data Science Analytics within the Lerner Research Institute's Department of Quantitative Health Sciences (QHS) at Cleveland Clinic. QHS provides biostatistics, programming and data extraction services to clinical researchers, grant writers, outcomes analysts, residents, fellows and medical students. His extensive knowledge in technological project management, implementation, consulting, and programming combined with his clinical research informatics experience provides a unique skill set to the QHS department.

He is involved directly with feasibility studies, project planning, cost estimation, data mining, data analysis and programming in a variety of programming languages. Alex regularly consults on data extraction from the electronic medical record and other sources for a large majority of the QHS projects that require data. This ranges from locating/extracting data, running natural language processing on notes for clinical data understanding to cleaning, mapping and validating data.

With 32 co-authored publications in 2020 alone, you would be hard pressed to find someone with more knowledge and experience with eHR data. Also known as the "data ninja", he's created a robust, yet easy to understand research data warehouse which has turned clinical data into clinical knowledge.

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