Biomedical Informatics Grand Rounds
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3:00 pm – 4:00 pm

EHR Use Log Data in Oracle Cerner:
Data Sources & Applications

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Bio: Dr. Nate Apathy is an Assistant Professor of Health Policy & Management at the University of Maryland School of Public Health in College Park, Maryland. He is also an Affiliated Research Scientist at the Regenstrief Institute in Indianapolis, Indiana. He holds a PhD in Health Policy & Management from the Richard M. Fairbanks School of Public Health at Indiana University and completed a postdoctoral fellowship in health services research at the University of Pennsylvania Perelman School of Medicine and Leonard Davis Institute of Health Economics.

His research sits at the intersection of health care management, health services research, and health informatics. He studies the role of health information technology in support of delivery and payment reform efforts; the impact of regulations on health IT innovation, adoption, and use; and he specializes in the use of system-generated log data to increase understanding of the impact of health IT on care quality. His current research focuses on sources of IT-based burden and organizational strategies to reduce that burden.

Abstract: Data capturing electronic health record (EHR) system usage in the form of active use logs and audit logs are increasingly common in biomedical informatics research and health services research. However, differentiating between similar or related log data sources to find the appropriate data for a given research question can be challenging. Additionally, the vast majority of research conducted with these data sources leverages data from the Epic Systems EHR, which leaves out large portions of the US health care market using non-Epic EHR systems. This seminar will differentiate the three primary sources of EHR use data available from Oracle Cerner (Advance, LightsOn, and P2Sentinel); and will present example research projects and pilot data to demonstrate pertinent research questions that each source can support.

Educational Objectives:

1. To get an overview of harnessing the power of active use and audit logs to answer research questions.
2. To learn how to differentiate between data log sources and how to find the appropriate data source for a given question.
3. Understand various platforms for managing EHR audit log data and the research that can be enabled with these data sources.

Disclosure Statement: The faculty and planners have no relevant financial relationship with ineligible companies, whose primary business is producing, marketing, selling, reselling, or distributing health care products used by or on patients.

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