Biomedical Informatics Grand Rounds
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Building clinical research data environments at the local and national level

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Bio: Dr. Janos G. Hajagos is Chief of Data Analytics and Research Assistant Professor in the Department of Biomedical Informatics at Stony Brook University. He is the lead data scientist across several quality initiatives at Stony Brook Medicine. He is an active participant in NIH's N3C and Recover programs providing support on data infrastructure and processing. Before his current position he was the Associate Director of Data Computation in the Division of Applied Informatics. There he was integral in several data analytic applications and the development of production web applications for the New York State Department of Health's Medicaid Program. Dr. Hajagos has published and presented his informatics work at a range of national conferences. He received his PhD in Ecology and Evolution in 2005 from Stony Brook University.

Abstract: Data from clinical patient care is increasingly being captured electronically, stored, and processed for secondary research use. We are entering an era where the scope and the breadth of this data is rapidly increasing. On a national level NIH's N3C and Recover programs are making use of multiple institutional data including rich data elements, such as, ICU, ventilation data, social determinants of health, and clinical notes. Can what we have learned at a national level be adapted to enhance our own institutional research data environments? As an example of this we will evaluate the use and extension of the OHDSI Data Quality Dashboard against local EHR (electronic health record) data resources.

Educational Objects: Understand how different data is being used for enhancing the data environment that is available to NIH's N3C and Recover program. Understand how notes are processed and concepts are extracted from clinical notes and stored for research use Understand how data quality can be measured using a data quality framework and scaled to large EHR databases.

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

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