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Supporting Clinical and Translational Researchers with Electronic Patient Data.

Wednesday, Oct 14, 2020  3 pm - 4 pm

Bio: Thomas R. Campion, Jr., Ph.D. leads Weill Cornell Medicine’s efforts to support clinical and translational investigators with electronic patient data, especially through the secondary use of electronic health record (EHR) data. Dr. Campion is Associate Professor of Research in Population Health Sciences in the Division of Health Informatics. As Director, Research Informatics in the Information Technologies & Services Department (ITS) and Director, Biomedical Informatics in the Clinical & Translational Science Center (CTSC), he leads the Architecture for Research Computing in Health (ARCH) program, which matches scientists with tools and services for obtaining electronic patient data. His research interests include electronic infrastructure to support clinical and translational scientists, measurement of the biomedical research enterprise, computable phenotyping, clinical decision support, health information exchange, and organizational issues in informatics. He earned a master of science and doctor of philosophy in biomedical informatics from Vanderbilt University and a bachelor of arts in organizational studies and German from the University of Michigan.

Abstract:
Supporting clinical and translational researchers with electronic health record (EHR) data is a complex socio-technical problem, and optimal approaches are unknown. At Weill Cornell Medicine, the Architecture for Research Computing in Health (ARCH) program aims to match investigators with the right informatics tools and services with respect to data, study design, and financial needs. This talk describes the ARCH model and experience to date with implications for other academic medical centers seeking to meet the needs of the research enterprise.
1. Understand technological, organizational, and regulatory barriers to secondary use of EHR data for research.
2. Recognize strengths and limitations of different informatics tools for supporting biomedical researchers with electronic patient data.
3. Define strategies for engaging clinical and translational researchers to better understand the role of data and informatics in supporting science.

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