Dear Methods Core seminar participants,

This Thursday we have an exciting Methods Core Town Hall presentation. I apologize for the late announcement, but the full details became available just over the weekend.

Please let me know if you are planning to attend, and if you will be coming from outside Mission Hall and need to be put on the building security list.

Hope many of you can make this presentation,
--Estie

From: Blanco, Rochelle Hartwig <Rochelle.Blanco@ucsf.edu>
Sent: Saturday, February 02, 2019 8:08 PM
Subject: Thurs. 2/7 CAPS Methods Core Town Hall : Colin Walsh, MD, MA -- Machine Learning to Catalyze Mental Health: From suicide prediction to treatment resistance and large scale phenotyping -- 12-1p, Feb. 7th, MH-3700, 550 16th St.

CAPS Town Hall and CAPS Methods Core present:

Colin Walsh, MD, MA
Assistant Professor of Biomedical Informatics, Medicine and Psychiatry at Vanderbilt Univ.

Machine Learning to Catalyze Mental Health: From suicide prediction to treatment resistance and large scale phenotyping

Thursday, Feb. 7th, 2019 – 12:00-1:00
UCSF Mission Hall –3rd Floor - Room 3700

Please present photo ID at the security desk if you do not have Mission Hall access.

Add to My Calendar

Suicide kills 123 Americans every day and 800,000 people worldwide every year. It is the 10th leading cause of death in the U.S. and the 2nd leading cause of death in those < 34 years old. I will share our experiences incorporating predictive analytics, implementation science, and clinical informatics to catalyze research in mental health. From machine learning to predict suicide to large-scale phenotyping to understand treatment resistance, and from ethical concerns to privacy recommendations, we will describe a research program applying data science with a clinical lens, focusing on some of the most challenging problems in psychology and psychiatry.

Dr. Colin G. Walsh is a practicing internist and clinical informatician who joined Vanderbilt University as Assistant Professor of Biomedical Informatics, Medicine, and Psychiatry in early 2015. His research is focused in predictive analytics applied to vulnerable populations, clinical workflow, and decision support at the point-of-care. His foci of research and operational work are: 1) machine learning/data science applied to use-cases in mental health; 2) utilization optimization and quality improvement; 3) an analytics approach to value-based healthcare. He is Founder and Principal Investigator of the Health Analytics for Risk, Behavioral, and Operations Research (HARBOR) Lab. After undergraduate training in mechanical engineering at Princeton University, Dr. Walsh attended medical school at the University of Chicago. He completed residency and chief residency in internal medicine at Columbia University Medical Center. He studied machine learning and data science in the domain of hospital readmission risk prediction at Columbia University under research mentor, Dr. George Hripcsak. At Vanderbilt, he continues to develop clinically-grounded predictive models using data science approaches on structured and unstructured clinical data. Examples of active projects range from: 1) Machine learning + natural language processing approaches to predict and phenotype risks of suicidality 2) Analytics approaches to support Value-Based Healthcare 3) Visual Analytics + Machine Learning Approaches to predict healthcare utilization to support interventions in Quality and Clinical Improvement, to 4) Algorithms that identify and predict unnecessary healthcare service utilization in Choosing Wisely. https://www.vumc.org/harbor-lab/

Rochelle Blanco

Academic Program Management Officer

Traineeships in AIDS Prevention Studies (TAPS) Program

CAPS Developmental Core and CAPS Interventions and Implementation Science Core

(pronouns: she/her/hers) : https://lgbt.ucsf.edu/pronounsmatter

Division of Prevention Science | University of California, San Francisco

Center for AIDS Prevention Studies (CAPS) | UCSF Prevention Research Center

http://prevention.ucsf.edu

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