Biostatistics Seminar

Monday, March 30th, 2020

Seminar on Zoom at 12:15pm

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**Digital psychiatry from the trenches: Opportunities and challenges in assessing the real-world lived experience of mental health disorders**

**Abstract:**

When it comes to mental health, no country is considered developed. To improve long term outcomes in mental health disorders (MHD), there is an urgent need to develop new ways to objectively assess the underlying constructs of behavior patterns linked to neuropsychiatric conditions. The pervasive network of IoT devices including smartphones offers researchers a unique opportunity to capture the individualized experience of living with MHD based on “real-world data” (RWD) in an objective, momentary and nonreactive way.

In this talk, I will present findings from large-scale fully remote research studies utilizing RWD to assess depression and suicidal behavior in the real-world setting. I will also highlight challenges in digital health research such as participant retention and trust that can impact the generalizability of inference and the potential of RWD in creating real-world evidence of behavioral health.

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