**CANSSI Saskatchewan**

**Health Science Collaborating Centre**

**Winter 2022 Webinar Series**

**Thursday, March 3**

**10 – 11 am Central time**

Professor **Jessica Gronsbell**

University of Toronto

**Leveraging electronic health records for biomedical research**

**ABSTRACT**

The adoption of electronic health records (EHRs) has generated massive amounts of routinely collected medical data with potential to improve our understanding of healthcare delivery and disease processes. However, the analysis of EHR data remains both practically and methodologically challenging as it is recorded as a byproduct of clinical care and billing, and not for research purposes.  For example, outcome information, such as presence of a disease or treatment response, is often missing or poorly annotated in patient records, which brings challenges to statistical learning and inference. In this talk, I will focus on predictive modeling in settings with an extremely limited amount of outcome information and demonstrate the advantages of semi-supervised learning methods that incorporate large volumes of unlabeled data into model estimation and evaluation.

***Registration link:***

<https://usask-ca.zoom.us/meeting/register/tJMkfu2pqT8pEtyOYuOIkuv_cTnBUahDHeb0>

*Everyone is welcome!*