**CANSSI Saskatchewan**

**Health Science Collaborating Centre**

**Winter 2022 Webinar Series**

**Thursday, February 10**

**10 – 11 am Central time**

Distinguished Professor Emerita **Mary Thompson**

University of Waterloo

**The interface of health data science and survey methods**

**ABSTRACT**

Data science encompasses data acquisition and management, modeling and analysis, summarization and dissemination.  For health data science in particular, overarching themes are data quality and validity, security of data, and privacy.  In health research, certain issues have particular emphasis:  how can we facilitate making appropriate data and their summaries readily available to health care practitioners and administrators?   how can we fill data gaps?  how can we ensure the soundness of quantifiable conclusions?

In this talk, with examples, I will discuss roles of survey methodology in health data science, including:  the quantification of bias and precision with complex data collection designs; the combination of health survey data with data from new and traditional sources; the complementary roles of longitudinal and cross-sectional survey data; and the design of surveys to support causal inference.

*Registration link:* <https://us06web.zoom.us/meeting/register/tZ0qdOmuqTkoE9eFP0Of10uWpmqzlFiCpv2A>

*Everyone is welcome!*