

School of Health Information Science Seminar Series:

Application of Data Science on Health Administrative Data to Predict a Higher-Level Care Transition Among Home Support Clients



Speaker:

Junko Fukui Innes

PhD Graduate, School of Health Information Science, University of Victoria

March 27 on Zoom

12:00pm PT

Junko Fukui Innes is a PhD graduate of the School of Health Information Science at the University of Victoria with extensive experience in healthcare analytics, operations research, quality improvement, and First Nations health and their data governance. Her research focuses on applying data science and machine learning to health system challenges. Her doctoral work centered on home and community care—particularly home support—using data science approaches to inform planning and service delivery.

Application of Data Science on Health Administrative Data to Predict a Higher-Level Care Transition Among Home Support Clients

Home support provides recipients with assistance with activities of daily living at home and plays an important role as part of the integrated health care system, particularly for older adults. The increasing demand for home support with the rapid increase in the aging population and longer life expectancy has been challenging. Identifying the home support recipients who are at risk of transitioning to a higher level of care can lead to more effective resource planning and preventative care to delay the deterioration of their condition. This seminar will discuss how routine administrative data can be turned into computable, probability-based insights on transitions from Home Support to a higher level of care; and generated actionable signals for planning and case management.

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Registration Required

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