Cancer Data Analyst, Analytics *(Level 5)*

Background

Created in 2007, the Canadian Partnership Against Cancer ("the Partnership") is an independent organization funded by the federal government to implement the Canadian Strategy for Cancer Control. The Strategy aims to reduce the incidence of cancer, lessen the likelihood of Canadians dying from cancer, and enhance the quality of life of those affected by cancer. As the steward of the Strategy, we work collaboratively with cancer agencies, governments, national organizations, patients and families to advance meaningful and measurable progress in achieving shared goals.

Our vision is to continue to lead, learn and take action on the growing body of evidence and knowledge about cancer prevention and care. With a focused approach, the Partnership will execute its strategic priorities, tangibly measure and demonstrate the impact of how its pan-Canadian cancer control strategy has reduced the burden of cancer on Canadians.

This position is part of the Cancer Control Division. This Division is responsible for overall delivery of the Strategic Priorities in the Partnership's mandate, with a focus on the Partnership's Programs and the development of effective and strategically salient initiatives through effective working relationships with clinical, medical, professional and stakeholder partners to reduce the impact of cancer on Canadians. This division drives the Partnership's core mandate of reducing the risk of cancer, lowering mortality, and improving the experience of Canadians affected by cancer through collaboration with system partners. It works in close collaboration with the other divisions to develop, deliver and report ongoing progress on an effective cancer control strategy.

Overview of Role

Reporting to the Program Manager & Biostatistician, Analytics, this position is part of the analytic team that provides support to all portfolios at the Partnership who seek to use data to evaluate and report on the Canadian Cancer Control system. The role of the Data Analyst is to gather, clean and analyze health/cancer data from a range of data sources, identify and advise on data limitations, provide insight and interpretation of results, collaborate with other teams on indicators development, provide analytical support on the development of reports related to cancer control, ad hoc data analysis for presentations and publications and other Partnership business.

Mandate-Specific Accountabilities

- Collect, review and audit aggregate data using a variety of SAS functions/macros, prepare data sets and work with data providers to resolve data quality issues
- Conduct quantitative analyses using micro-data from either survey, census, administrative or other data sources
- Identify and advise on data limitations, produce results including tables and figures; Provide interpretation of results to broad spectrum of audience
- Collaborate with other teams on the development of performance measure indicators and data collection templates
- Investigate trends in cancer surveillance – incidence, mortality, prevalence, net survival
- Prepare reports or manuscripts of results, including interpretation of the findings
- Synthesize and help the client to understand the results and to develop actionable strategic recommendations
- Undertake and manage assigned analytical projects
- Use external sources to compile statistics and background on identified topics
- Assist the Program Manager/Biostatistician as needed

General Accountabilities

- Drives innovation and culture change by delivering accelerated impact and reinforcing a collaborative culture
- Joint responsibility for staff engagement and collaboration
- Accountability for collaboration across divisions, portfolios, programs of work and with external partners
- Support Manager/Director/VP Accountabilities
- Support achievement of overall strategic priorities and core enabling functions

Division of Time by Area of Accountability

Delivering Core Mandate: 50-60%
Driving Collaboration: 20-25%
Supporting Manager/Director: 10-15%
External Relationships: 10-15%

Essential Skills and Attributes

- Proven experience using Canadian health system data
- Knowledge and understanding of cancer and/or health statistics
- Knowledge of concepts and experience calculating and interpreting measures used in cancer surveillance
- Intermediate (required) / advanced (preferred) proficiency in SAS and Excel
- Strong analytical and critical thinking skills to understand complex problems, identify key issues and present results in a clear and concise format
- Strong customer service skills for working with key internal and external stakeholders
- Outstanding communication skills; verbal and written
- Exceptional attention to detail and quality assurance
- Excellent organizational skills with the ability to prioritize tasks and meet deadline within a fast-paced environment
- A natural team player with a commitment to collaboration and joint accountability
- Excellent technical skills (Microsoft Office products, software, and new technologies)
- Knowledge of data linkage and familiarity with the cancer data landscape in is an asset

Experience and Education

- Masters in biostatistics, epidemiology or related field
- A minimum of 3 years' proven experience working with Canadian health data, conducting analyses and providing interpretation of results. Experience with cancer data preferred.
- Knowledge of concepts and experience calculating and interpreting measures used in cancer surveillance (e.g. incidence, mortality, prevalence, net survival)
- Experience with indicator development and performance measurement in a health care setting
- Experience writing journal articles and/or content in published reports and developing and delivering presentations on results and implications is an asset
- Experience working in cancer control at local, provincial, or federal levels a strong asset