
Lead Cancer Analyst, Analytics (Level 6)

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 Lead Cancer Analyst works with internal program areas to define their analytic needs and provide statistical expertise on what analyses can be done to meet their goals. The Lead Cancer Analyst conducts, analyzes and interprets results to support the development of reports related to cancer control and to transform data into information which will support evidence-based decision-making throughout the organization. The Lead Cancer Analyst is also a resource to other data analysts providing technical guidance and direction on methodology.

Mandate-Specific Accountabilities

- Lead analytic projects - work effectively with internal program areas to provide analytical expertise in planning, conducting, analyzing and interpreting results for projects related to cancer control
- Lead in supporting program areas to determine content and scope of reports; assist in the development of indicator definitions; produce results including tables and figures for the reports
- Act as a resource to other data analysts and provide technical guidance and direction on methodology as needed
- Oversee the work of other analysts on specific projects
- Ensure all deliverables for assigned projects are completed on time with high quality – including performing data cleaning/analysis, producing and finalizing figures, data tables, technical appendix and conducting quality checks on other team member's work
- Conduct quantitative analyses using micro-data from either survey, census, administrative or other data sources
- Collect, review and audit aggregate data, prepare data sets and work with data providers to resolve data quality issues
- Prepare reports or manuscripts of results, including interpretation of the findings
- Use external sources to compile statistics and background on identified topics
- Support Program Manager & Biostatistician, Analytics 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

- Demonstrated knowledge working with Canadian health data and conducting analyses on measures used in cancer surveillance (e.g. incidence, mortality, prevalence, net survival)
- Proven ability to lead analytic projects: conceptualizing, planning, implementing and evaluating
- Work effectively both, independently and as part of a team, with minimal supervision
- Ability to provide guidance and direction to less experience team members
- Excellent skills in communicating complex/technical concepts to non-technical audiences
- Knowledge of data linkage and familiarity with the cancer data landscape
- Strong analytical and critical thinking skills to understand complex problems, identify key issues, provide solutions and present results in a clear and concise format
- Intermediate (required) / advanced (preferred) proficiency in SAS
- Strong interpersonal skills and the ability to build strong working relationships with key internal program areas and external stakeholders
- Outstanding communication and presentation skills; verbal and written. French language competency is an asset
- 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
- Exceptional attentions to detail and quality assurance
- Excellent technical skills (Microsoft Office products, software, and new technologies)

Experience and Education

- Masters in biostatistics, epidemiology or related field
- A minimum of 5 years' proven experience working with Canadian health data, conducting analyses and providing interpretation of results. Experience with cancer data preferred.
- Experience working with a broad range of health care databases at organizational, provincial and national levels
- Experience working in cancer control at local, provincial, or federal levels is a strong asset
- Knowledge of concepts and experience calculating and interpreting measures used in cancer Surveillance (e.g. incidence, mortality, prevalence, net survival)
- Experience conducting analysis using more complex analysis technique (e.g. multiple linear and logistic regression)
- 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