Job title:	Statistician
Employer:	Simon Fraser University (SFU)
Department:	Centre for Advancing Health Outcomes (Advancing Health)
Location:	St. Paul's Hospital, Vancouver, BC
Salary:	$72,000-$80,000
Full/Part-time:	Full-time (37.5 hours/week)
Appointment Type:	This is an ongoing, regular-status research position, however, all research-funded positions are dependent on grant funding continuing to be available.
Desired Start Date:	As soon as possible
Application Closing Date:	Open until filled
How to Apply:	Interested candidates should email their **resume** and **cover letter** to hr@advancinghealth.ubc.ca; applications that don't include both will not be reviewed.

Equity and diversity are essential to research and academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or a person who identifies as First Nation, Metis, Inuit, or Indigenous. Advancing Health welcomes a broad range of applicants and accommodations are available for candidates taking part in all aspects of the selection process.

We welcome applications from candidates legally entitled to work in Canada.

Who We Are

Bridging the gap between data, research, and care, Advancing Health is a collaboration between cross-disciplinary scientists and expert research staff evaluating the effectiveness of health interventions at the population level. From assessing the cost-effectiveness of a new drug or treatment option to informing policy decisions that change how care is delivered, Advancing Health seeks to improve health outcomes for all.

Our Commitments to You

At Advancing Health, we are committed to providing an inclusive, dynamic, and cooperative work environment in which all members are encouraged to pursue personal and professional growth. We offer a competitive salary, and excellent benefits, including:

- A minimum of 4 weeks of paid vacation annually (prorated for part-time staff)
- Paid time off between the December and January statutory holidays
- Other paid leaves to support health, wellness, and work-life balance
- Extended health and dental plans

The Role

Under the supervision of Dr. Bohdan Nosyk, the Statistician will be embedded in the Health Economic Research Unit (HERU) and provide expertise in the design and analysis of health research studies. Major responsibilities include: leading and contributing to statistical analysis of health administrative data, literature reviews, manuscripts, research dissemination, and other research-related activities; providing statistical advice to faculty, staff, and students; developing statistical analysis strategies; performing data analysis and evaluation, and interpreting and summarizing analyses and results for research reports and publications. Some of the work performed includes:

- Providing methodological expertise across a broad range of subject areas in the planning stage of research projects, including the development of the study design and writing of the research proposal, the scope of work, and the statistical analysis plan.
- Performing data linkage between clinical and administrative health databases.
- Developing complex and customized queries for relational databases.
- Performing in-depth statistical analysis of health outcomes from observational studies, administrative databases, and clinical trials.
- Modelling complex health outcomes data using advanced statistical methods.
- Interpreting analytic output and explaining results to researchers.
- Developing interactive web apps for knowledge translation purposes.
- Evaluating the quality of research databases and collaborating with data managers to improve quality.
- Collaborating with other researchers and statisticians in the identification and completion of assigned research projects.
- Providing consultation to staff, faculty, and students on a variety of statistical topics including study design, analysis, use of statistical software, and interpretation of results.
- Assisting in the preparation of conference presentations, academic manuscripts, and technical reports, as required.
- Providing formal and informal instruction to researchers on statistical models and techniques.

Minimum Qualifications

Master's degree in Statistics or Biostatistics and a minimum of one year of recent related experience in biostatistics, or the relevant equivalent combination of education, training, and experience.

Preferred Qualifications

- Advanced knowledge of descriptive statistics, statistical inference, and modelling.
- Ability to advise, design, implement, and manage statistical analysis for multiple studies.
- Proven, advanced expertise with SAS® and R statistical software (STATA a plus).
- Experience with cleaning and analyzing data from relational, EAV databases (e.g., Oracle and REDCap) and large administrative databases.
- Ability to work in a fast-paced environment.
- Ability to manage responsibilities and deadlines.
- Effective communicator who combines strong technical skills and attention to detail.

Covid-19 Vaccine Mandate

This position is located within a healthcare facility. Therefore, this position requires successful verification of full vaccination against Covid-19 provided prior to the start date, as required by the provincial health mandate.