The Epidemiologist, Performance Measurement and Reporting provides expertise in study designs, critical appraisal of evidence, biostatistics, and epidemiology as it relates to departmental initiatives and goals of BC Agency for Pathology and Laboratory Medicine (Agency). The Epidemiologist works in close partnership with key stakeholders from the different laboratories, BC Health Authorities, Ministry of Health, and academic networks. This position requires a high degree of knowledge of laboratory and/or clinical data, data analysis and interpretation, and the ability to communicate findings to a wide audience range. The Epidemiologist also assists in applied research activities and complex statistical analyses to assess risk and identify gaps. This role is responsible for service evaluation, knowledge translation, comprehensive written reports and dissemination of information and provides advice and guidance to stakeholders on data interpretation. In addition, this position employees project management expertise and methodologies as a means to ensure successful completion of project components and deliverables.

RESPONSIBILITIES

• Plans, develops and conducts advanced epidemiological and/or biostatistical studies for health databases;
• Reviews and appraises relevant scientific and medical literature on topics relevant to the Agency;
• Applies expert knowledge of quantitative and qualitative analytics, forecasting, and scenario development initiatives to improve laboratory performance in BC;
• Conducts statistical analysis of laboratory and other healthcare data for internal and external uses, such as data mining, utilization, quality assessment, and performance management;
• Assists the Data Consultant on critical evaluating the approach of data collection, analysis and interpretation;
• Writes, edits and reviews comprehensive reports and reporting products, including design, compilation, synthesis, dissemination and evaluation; communicates statistical results to stakeholders and applicable external partners;
• Collaborates in the planning, design, and development of local and/or regional health analysis and performance measurement projects; contributes expertise to the development of epidemiological projects including methodologies, approaches and models; participates in provincial and national health initiatives;
• Establishes consultation networks with relevant stakeholders to align with the Agency mandate;
• Synthesizes and promotes the utilization of findings through publications and scientific presentations (e.g. peer-reviewed journal articles, newsletters, and conferences). Educates staff and stakeholders about research methodologies and interpretation of epidemiological studies;
• Critically evaluates and appraises methodological and other problems, and ensures analysis and interpretation of data/results. Undertakes critical appraisals of epidemiological, statistical and scientific evidence to conduct risk assessment, identify knowledge gaps, and validate data integrity;
• Maintains current knowledge of new developments, trends and research in relevant health area.
• Performs other related duties as required.

QUALIFICATIONS

A level of education, training and experience equivalent to a Masters degree in Epidemiology or Biostatistics plus a minimum of five (5) years of recent related experience in a large, complex organization. Thorough knowledge of epidemiological principles, research methodologies, health surveillance, health indicator development and management, and biostatistical techniques are required. Strong research, analytical and communication skills. Knowledge of the Canadian public health surveillance systems and data resources relevant to area of expertise. Ability to identify and analyze, trends and changes in disease and corresponding risk factors, contributing factors, incidence and prevalence rates, outcomes and other relevant epidemiological measures. Experience with large administrative and/or clinical datasets an asset, as well as proficiency with software such as Microsoft Office, SPSS, SAS, and GIS; Communication, including report writing and presentation of findings, and organizational skills to collaborate in a multidisciplinary environment.

HEALTH & SAFETY

In accordance with the Mission, Vision and Values, and strategic directions of BCCSS, employee safety is a priority and a responsibility shared by everyone at BCCSS, and as such, the requirement to continuously improve quality and safety is inherent in all employee safety aspects of this position.

We invite you to apply by forwarding a current CV to Gail Crawford at gail.crawford@bccss.org, please quote “SLLD 0317” in the subject line of your email. Applications will be accepted until position is filled. For more information on BCCSS please visit bccss.org.