



INFORMATION FOR A CAREER AS AN EPIDEMIOLOGIST/RESEARCH ANALYST in BC

OVERVIEW

Epidemiology is the study of how often diseases occur in different groups of people, and why. Epidemiological information is then used to plan and evaluate strategies to prevent illness and as a guide to the management of patients in whom disease has already developed.

Newly emerging areas of expertise include social epidemiology, public and population health, infectious diseases, neuroepidemiology, psychiatric epidemiology, global health, clinical and health research informatics, genetic, and molecular epidemiology. Those working in non-profit companies often do public health advocacy work.

Epidemiology is not a regulated profession in Canada and membership in any provincial, national, or international associations is not required for employment.

ORGANIZATIONS EMPLOYING EPIDEMIOLOGISTS

Epidemiologists may work as researchers, educators, administrators, consultants and clinicians. They are typically employed with the following types of organizations:

- Federal, provincial/state, and municipal governments, typically in disease control agencies
- Healthcare facilities such as hospitals, clinics and long-term care facilities
- Universities and colleges
- Private research firms
- Chemical, agrochemical, and pharmaceutical companies
- Insurance Companies
- International development agencies
- Non-profit organizations

EDUCATION REQUIREMENTS

To work as an epidemiologist in Canada or the United States, the minimum educational requirement is a Masters' degree in Epidemiology or a Masters' degree in Public Health (MPH) with an emphasis in epidemiology.

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Some epidemiologists have a degree in epidemiology combined with a medical degree. These scientists often work in clinical capacities.

PROFESSIONAL ASSOCIATIONS

There are several associations to which an epidemiologist may opt to belong.

- ***Canadian Society for Epidemiology and Biostatistics (CSEB)***

CSEB aims to both foster and promote both epidemiology and biostatistics sciences to improve health and well-being and which is achieved through research and practice. The association has over 300 members. It fosters communication among such professionals across Canada.

The association collaborates with other organizations and groups such as the Public Health Agency of Canada (PHAC), Health Canada, the Association of Public Health Epidemiologists of Ontario (APHEO), Saskatchewan Epidemiology Association (SEA), the Statistical Society of Canada (SSC) and the Canadian Association of Veterinary Epidemiology Preventive Medicine (CAVEPM)

- ***International Epidemiology Association (IEA)***

IEA has over 1000 members in 100 countries. The aim of the association is to facilitate communication among those engaged in research and teaching of epidemiology and to encourage its use in all fields of health including social, community and preventive medicine throughout the world.

- ***International Society for Environmental Epidemiology (ISEE)***

The Society is a scientific association in environmental epidemiology that impacts research, training, and policy worldwide. It fosters research on the effects of environmental exposures in people, promotes communication among health professionals, promotes methodological advances and aims to strengthen environmental health policy.



- ***Society for Epidemiologic Research (SER)***

The Society strives to keep epidemiologists at the forefront of scientific developments. It sponsors the [American Journal of Epidemiology](#) and [Epidemiologic Reviews](#).

RESOURCES

American College of Epidemiology (ACE) - <https://www.acepidemiology.org/>

Association of Public Health Epidemiologists of Ontario (APHEO) (membership information) - <https://www.apheo.ca>

Canadian Society for Epidemiology and Biostatistics (CSEB) - <https://cseb.ca/>

International Epidemiology Association - <https://ieaweb.org/>

International Society for Environmental Epidemiology - <https://www.iseepi.org/>

Society for Epidemiologic Research (SER) - <https://epiresearch.org/>

JOB BOARDS

CSEB Job Board - <https://cseb.ca/job-listings/>

Eluta - <https://www.eluta.ca/Epidemiology-jobs-in-Vancouver-BC>

Indeed - <https://ca.indeed.com/Epidemiology-jobs-in-Vancouver,-BC?vjk=92a2930e722893f5>

Jooble - <https://ca.jooble.org/jobs-epidemiologist/Vancouver%2C-BC>

LinkedIn -

<https://www.linkedin.com/jobs/search/?keywords=epidemiology&location=vancouver%20bc>

Workopolis - <https://www.workopolis.com/jobsearch/epidemiology-jobs/vancouver-british-columbia?job=oBVLg1Dg5fQuz34v2lwqzKulUgSfH73FXDdjKqu-aWm27ETze98lWw>

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