



# Zoonoses

Zoonotic Infectious Diseases (ZIDs)

Diseases that spread between animals and humans, with causal agents being pathogenic microorganisms such as viruses, bacteria, fungi, or parasites.

## Recommended Resources

Suggested resources that provide information on zoonotic diseases, surveillance, and public health guidance to help stay informed about disease risks, public health notices, and prevention recommendations relevant to the Canadian context.

**Surveillance** Human and animal surveillance systems in Canada monitor for emerging and re-emerging zoonotic diseases.

## Zoonotic diseases in humans

### Nationally Notifiable Diseases

Notifiable Diseases Online is an interactive website that enables users to explore annual data from the Canadian Notifiable Disease Surveillance System (CNDSS). The CNDSS monitors trends in nationally notifiable diseases, infectious diseases that have been identified collectively by the federal, provincial and territorial governments as priorities for monitoring and control (*Government of Canada*).

### Case Definitions

Case definitions for nationally notifiable diseases are intended to support public health activities rather than clinical diagnosis (*Public Health Agency of Canada*).

### Public Health Surveillance Systems, Programs and Networks

#### Vector-borne disease surveillance in Canada

##### Mosquito-borne

Mosquito-borne Vectors, such as mosquitoes, spread diseases between humans or from animals to humans, usually by biting. Diseases spread by vectors are called vector-borne diseases. Find out how mosquito-borne diseases are monitored in Canada (*Government of Canada*).

##### Tick-borne

Vectors, such as ticks, spread diseases between humans or from animal to humans, usually by biting. Diseases spread by vectors are called vector-borne diseases. Find out how tick-borne diseases are monitored in Canada (*Government of Canada*).

## Zoonotic diseases in animal populations

### Federally reportable diseases for terrestrial animals in Canada

#### Immediately notifiable diseases

In general, immediately notifiable diseases are diseases exotic to Canada for which there are no control or eradication programs (*Canadian Food Inspection Agency*).

#### Annually notifiable diseases

In general, annually notifiable diseases are present in Canada, but are not classified as reportable or immediately notifiable (*Canadian Food Inspection Agency*).

## Networks

### Community for Emerging and Zoonotic Diseases

The Community for Emerging and Zoonotic Diseases (CEZD) is a Canadian virtual multidisciplinary network that includes partners from provincial, federal and municipal governments, industry, and academia in areas of public, animal and environmental health. Through the gathering of information, analysis, and the generation and distribution of timely intelligence reports, Canada is now better able to anticipate, manage, and mitigate pending disease threats on its society, economy, environment, and animal resources (*Community of Emerging and Zoonotic Diseases*).

### CAHSS Tools | Reportable & Notifiable Diseases

The Canadian Animal Health Surveillance System Regulated Disease Tables are designed to allow a user to quickly determine whether a disease of interest is regulated (reportable or notifiable) nationally and in different provinces and territories (*Canadian Animal Health Surveillance System*).

### CAHSS Disease Alerts Tool

The Canadian Animal Health Surveillance System Disease Alerts Tool provides a nationally accessible inventory of animal health disease alerts from across Canada (*Canadian Animal Health Surveillance System*).

### CAHSS Canadian Animal Health Surveillance System

CAHSS brings together and uses data-driven information to demonstrate animal health, minimize impacts of disease, and guide planning on national animal health priorities (*Canadian Animal Health Surveillance System*).

### Canadian Wildlife Health Cooperative

CWHC provides a Canada-wide perspective on wildlife health at the same time as helping to identify and assess emerging problems at a local level (*Canadian Wildlife Health Cooperative*).

