

# Appendix B: Provincial Case Definitions for Diseases of Public Health Significance

**Disease: Cyclosporiasis**

Effective: February 2019

# Cyclosporiasis

## 1.0 Provincial Reporting

Confirmed and probable cases of disease

## 2.0 Type of Surveillance

Case-by-case

## 3.0 Case Classification

### 3.1 Confirmed Case

Laboratory confirmation of infection, with or without clinically compatible signs and symptoms, from an appropriate clinical specimen (e.g., stool, duodenal/jejunal aspirate, small bowel biopsy):

- Demonstration of *Cyclospora cayetanensis* (*C. cayetanensis*) oocysts (by morphologic criteria) or *Cyclospora* deoxyribonucleic acid (DNA), by polymerase chain reaction (PCR)

### 3.2 Probable Case

Clinical illness in a person who is epidemiologically linked to a confirmed case.

## 4.0 Laboratory Evidence

### 4.1 Laboratory Confirmation

The following will constitute a confirmed case of Cyclosporiasis:

- Microscopic demonstration of *C. cayetanensis* oocysts.

### 4.2 Approved/Validated Tests

- Microscopy
- PCR

### 4.3 Indications and Limitations

Not applicable

## 5.0 Clinical Evidence

Clinical illness is characterized by watery diarrhea, loss of appetite, weight loss, abdominal bloating and cramping, increased flatulence, nausea, fatigue and low-grade

fever. Vomiting may also be noted. Relapses and asymptomatic infections can occur. Some evidence suggests that symptoms may be more severe and long-lasting in immunocompromised individuals.

## 6.0 ICD 10 Code(s)

A07.8 Other specified protozoal intestinal diseases (includes *C.cayetanensis*)

## 7.0 Comments

This disease is not endemic in Canada, therefore should be investigated as most likely associated with imported food or travel.

## 8.0 Sources

Acha P, Szyfres B. Zoonoses and Communicable Diseases Common to Man and Animals. Vol. 3. 3 ed. Washington, DC: Pan American Health Organization; 2003.

Heymann DL, editor. Control of Communicable Diseases Manual. 20 ed. Washington, D.C: American Public Health Association; 2015.

Public Health Agency of Canada. Cyclosporiasis. In: Case Definitions for Communicable Diseases under National Surveillance. Canada Communicable Disease Report. 2009;35S2.

## 9.0 Document History

**Table 1: History of Revisions**

Revision Date	Document Section	Description of Revisions
December 2014	General	New template. Title of Section 8.0 changed from "References" to "Sources". Section 9.0 Document History added.
December 2014	3.1 Confirmed Case	"Cyclospora" italicized".
December 2014	3.2 Probable Case	Entire section revised.
December 2014	4.3 Indications and Limitations	Removed: "Nucleic acid amplification test (NAT) is under development for diagnostic use but is not currently being performed in Canada." Added: "Not applicable."

<b>Revision Date</b>	<b>Document Section</b>	<b>Description of Revisions</b>
December 2014	5.0 Clinical Evidence	<p>“Clinically compatible signs and symptoms are...” changed to “Clinical illness is...”</p> <p>Bullets following “watery diarrhea” removed: “(&gt; five bowel movements within a 24 hours period)”.</p> <p>“Vomiting may also occur” changed to “Vomiting may also be noted”.</p>
December 2014	8.0 Sources	Updated.
February 2019	General	Minor revisions were made to support the regulation change to Diseases of Public Health Significance.

