

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

**Disease: Giardiasis**

Effective: February 2019

# Giardiasis

## 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 clinically compatible signs and symptoms, from an appropriate clinical specimen (e.g., stool, duodenal fluid, small bowel biopsy):

- Demonstration of *Giardia lamblia* (*G. lamblia*) cysts or trophozoites
- OR**
- Demonstration of *G. lamblia* antigen by an approved method (e.g., enzyme immunoassay [EIA], immunochromatographic test [ICT])
- OR**
- Detection of Giardia deoxyribonucleic acid (DNA)

### 3.2 Probable Case

Clinically compatible signs and symptoms in a person with an epidemiologic link to a laboratory-confirmed case.

## 4.0 Laboratory Evidence

### 4.1 Laboratory Confirmation

Any of the following will constitute a confirmed case of Giardiasis:

- Positive for *G. lamblia* cysts or trophozoites
- Positive for *G. lamblia* antigen
- Positive for *Giardia* DNA

### 4.2 Approved/Validated Tests

- Microscopy/Direct Fluorescent Antibody (DFA)
- Giardia immunoassays (EIA, ICT)
- Nucleic acid amplification test (NAAT) for Giardia

### **4.3 Indications and Limitations**

Not applicable

## **5.0 Clinical Evidence**

Clinically compatible signs and symptoms are characterized by diarrhea, pale greasy stool, abdominal cramps, bloating, weight loss, fatigue or malabsorption of fats.

## **6.0 ICD 10 Code(s)**

A07.1 Giardiasis (lambliasis)

## **7.0 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.

Centers for Disease Control and Prevention. National Notifiable Disease Surveillance System: Giardiasis - 2011 Case Definition [Internet]. Atlanta, GA: U.S. Department of Health & Human Services; 2011 [cited July 11, 2014]. Available from:

<https://wwwn.cdc.gov/nndss/conditions/giardiasis/case-definition/2011/>

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

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

## 8.0 Document History

Table 1: History of Revisions

Revision Date	Document Section	Description of Revisions
December 2014	General	New template. Section 8.0 title changed from “References” to “Sources”. Sections 9.0 Document History Added.
December 2014	Case Definition Title	Case Definition title updated to remove “except asymptomatic cases”.
December 2014	3.1 Confirmed Case	First sentence “with clinically compatible signs and symptoms...” revised to “with or without clinically compatible signs and symptoms...”
December 2014	4.2 Approved/Validated Tests	First bullet, “DFA” revised to “Direct Fluorescent Antibody (DFA)”.
December 2014	8.0 Sources	All sources updated.
February 2019	General	Minor revisions were made to support the regulation change to Diseases of Public Health Significance
April 2019	3.1 Confirmed Case	First sentence to “with or without clinically compatible signs and symptoms...” revised to “with clinically compatible signs and symptoms...” to align with Disease of Public Health Significance  Addition of “Detection of <i>Giardia</i> deoxyribonucleic acid DNA”
	4.0 Laboratory Evidence	4.1 Laboratory Confirmation Addition of “Positive for <i>Giardia</i> DNA”  4.2 Approval/Validated Tests Addition of “Nucleic acid amplification test (NAAT) for <i>Giardia</i> ”

