

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

Disease: Shigellosis

Effective: February 2019

Shigellosis

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:

- Isolation of *Shigella* spp. by culture from an appropriate clinical specimen (e.g., stool, rectal swab)

3.2 Probable Case

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

OR

- Positive/detection of *Shigella* spp. by nucleic acid amplification test (NAAT)

4.0 Laboratory Evidence

4.1 Laboratory Confirmation

The following will constitute a confirmed case of shigellosis:

- Positive *Shigella* spp. culture

4.2 Approved/Validated Tests

- Standard culture for *Shigella* spp. including serotyping
- Nucleic Acid Amplification Test (NAAT) (which includes polymerase chain reaction (PCR) and multiplex molecular tests) for *Shigella* spp.

4.3 Indications and Limitations

- Further strain characterization, including drug resistance testing, is indicated for clinical, epidemiological, and control purposes

5.0 Clinical Evidence

Clinically compatible signs and symptoms are characterized by diarrhea, fever, nausea, vomiting, cramps and tenesmus. Asymptomatic infections may occur.

6.0 ICD 10 Code(s)

A03 Shigellosis

A03.0 Shigellosis due to *Shigella dysenteriae* (Group A shigellosis)

A03.1 Shigellosis due to *Shigella flexneri* (Group B shigellosis)

A03.2 Shigellosis due to *Shigella boydii* (Group C shigellosis)

A03.3 Shigellosis due to *Shigella sonnei* (Group D shigellosis)

A03.8 Other shigellosis

A03.9 Shigellosis, unspecified (Bacillary dysentery NOS)

7.0 Comments

Diagnosis is made through the isolation of *Shigella* spp. from feces or rectal swab. *Shigella* remains viable outside the body for only a short period of time, therefore specimens need to be processed rapidly after collection.

8.0 Sources

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

Public Health Agency of Canada. Shigellosis. 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
March 2017	General	New Template
March 2017	8.0 Sources	Updated
March 2017	9.0 Document History	Updated
February 2019	General	Minor revisions were made to support the regulation change to Diseases of Public Health Significance.

