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

9.0 Document History

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Document Section</th>
<th>Description of Revisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2017</td>
<td>General</td>
<td>New Template</td>
</tr>
<tr>
<td>March 2017</td>
<td>8.0 Sources</td>
<td>Updated</td>
</tr>
<tr>
<td>March 2017</td>
<td>9.0 Document History</td>
<td>Updated</td>
</tr>
<tr>
<td>February 2019</td>
<td>General</td>
<td>Minor revisions were made to support the regulation change to Diseases of Public Health Significance.</td>
</tr>
</tbody>
</table>