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

9.0 Document History

Table 1: History of Revisions

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Document Section</th>
<th>Description of Revisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2014</td>
<td>General</td>
<td>New template.</td>
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<tr>
<td></td>
<td></td>
<td>Title of Section 8.0 changed from “References” to “Sources”.</td>
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<tr>
<td></td>
<td></td>
<td>Section 9.0 Document History added.</td>
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<tr>
<td>December 2014</td>
<td>3.1 Confirmed Case</td>
<td>“Cyclospora” italicized”.</td>
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<tr>
<td>December 2014</td>
<td>3.2 Probable Case</td>
<td>Entire section revised.</td>
</tr>
<tr>
<td>December 2014</td>
<td>4.3 Indications and Limitations</td>
<td>Removed: “Nucleic acid amplification test (NAT) is under development for diagnostic use but is not currently being performed in Canada.”</td>
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<tr>
<td></td>
<td></td>
<td>Added: “Not applicable.”</td>
</tr>
<tr>
<td>Revision Date</td>
<td>Document Section</td>
<td>Description of Revisions</td>
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<tr>
<td>December 2014</td>
<td>5.0 Clinical Evidence</td>
<td>“Clinically compatible signs and symptoms are…” changed to “Clinical illness is…”&lt;br&gt;Bullets following “watery diarrhea” removed: “(&gt; five bowel movements within a 24 hours period)”.&lt;br&gt;“Vomiting may also occur” changed to “Vomiting may also be noted”.</td>
</tr>
<tr>
<td>December 2014</td>
<td>8.0 Sources</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>
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