Appendix B: Provincial Case Definitions for Reportable Diseases

Disease: Leprosy

Revised January 2014
Leprosy

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:
   - Demonstration of characteristic acid fast bacilli in slit-skin smears and biopsies prepared from the ear lobe or other appropriate site, such as elbow, knee, or skin lesion

   OR

   - Histopathological report from skin or nerve biopsy compatible with leprosy

   OR

   - Clinically compatible signs and symptoms with detection of Mycobacterium leprae (M. leprae) DNA in biopsy material

3.2 Probable Case
   Clinically compatible signs and symptoms with an epidemiologic link to an endemic region or to a laboratory-confirmed case

4.0 Laboratory Evidence

4.1 Laboratory Confirmation
   Any of the following will constitute a confirmed case of Leprosy:
   - Positive Acid Fast stain with typical morphology for *M. leprae* from specimens as indicated above
   - Histopathological report from skin or nerve biopsy compatible with leprosy
   - Nucleic acid amplification test (NAAT) for *M. leprae*

4.2 Approved/Validated Tests
   - NAAT for *M. leprae*

4.3 Indications and Limitations
   - N/A
5.0 Clinical Evidence

A clinical consultation with a clinician trained and experienced in the diagnosis of leprosy is necessary for diagnosis.

6.0 ICD Code(s)

6.1 ICD-10 Code(s)

ICD 10 Code A30

7.0 Comments

Requests for testing of biopsy samples should be forwarded to the Public Health Ontario Laboratories.

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>
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<td>January 2014</td>
<td>General</td>
<td>New template.</td>
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<td></td>
<td>Section 9.0 Document History added.</td>
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<td>3.1 Confirmed Case</td>
<td></td>
<td>First bullet point changed from (“Demonstration of characteristic acid fast bacilli in split skin smears and biopsies prepared from the ear lobe or other relevant sites (e.g., skin, tissue)”)) to (“Demonstration of characteristic acid fast bacilli in slit-skin smears and biopsies prepared from the ear lobe or other appropriate site, such as elbow, knee, or skin lesion”)</td>
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<td>5.0</td>
<td>Clinical Evidence</td>
<td>First sentence changed from (“A clinical consultation is necessary for diagnosis”) to (“A clinical consultation with a clinician trained and experienced in the diagnosis of leprosy is necessary for diagnosis”)</td>
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