

Appendix B: Provincial Case Definitions for Reportable Diseases

Disease: Leprosy

Leprosy

1.0 Provincial Reporting

Confirmed and probable cases of disease

2.0 Type of Surveillance

Case-by-case

3.0 Confirmed Case

3.1 Confirmed Case

Laboratory confirmation of infection with clinically compatible signs and symptoms:

- 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)

OR

- Histopathological report from skin or nerve biopsy compatible with leprosy

OR

Clinically compatible signs and symptoms with detection of *Mycobacterium 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*
- Histopathological report from skin or nerve biopsy compatible with leprosy
- Nucleic acid amplification test (NAT) for *M. leprae*

4.2 Approved/Validated Tests

- NAT for *M. leprae*

4.3 Indications and Limitations

- N/A

5.0 Clinical Evidence

A clinical consultation is necessary for diagnosis

6.0 ICD Code(s)

ICD 10 Code A30

7.0 Comments

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

8.0 References

- National Notifiable Diseases Surveillance System. Case Definitions. [Internet]. Hansen's Disease (Leprosy) (*Mycobacterium leprae*); 1997. Atlanta, GA: Centers for Disease Control and Prevention (CDC); 2008. [cited 2009 Feb 12]. Available from http://www.cdc.gov/ncphi/diss/nndss/casedef/hansen_disease_current.htm.
- Ministry of Health and Long-Term Care, Public Health Division. iPHIS manual. Toronto, ON: Queen's Printer for Ontario; 2005.
- Nationally Notifiable Diseases Case Definitions with Canadian Public Health Laboratory Network (CPHLN) and Epidemiologic Group Draft Edits. March 2007. Based on case definitions as written in the: Health Canada. Case definitions for diseases under national surveillance. Can Commun Dis Rep. 2000; 26 Suppl 3:i-iv 1-122. Available from <http://www.phac-aspc.gc.ca/publicat/ccdr-rmtc/00pdf/cdr26s3e.pdf>.

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