

# Appendix B: Provincial Case Definitions for Reportable Diseases

Disease: Trichinosis

# Trichinosis

## 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 *Trichinella spiralis* in a muscle biopsy
- OR**
- Positive serology

### 3.2 Probable Case

Clinically compatible signs and symptoms in a person with an epidemiologic link to a laboratory-confirmed case or to a confirmed food source (e.g., meat known to contain *Trichinella* larvae)

## 4.0 Laboratory Evidence

### 4.1 Laboratory Confirmation

Any of the following will constitute a confirmed case of Trichinosis:

- Demonstration of *Trichinella* larvae in tissue obtained by muscle biopsy
- OR**
- Positive serologic test for *Trichinella*

### 4.2 Approved/Validated Tests

- Parasitological tests (i.e., smear from infected meat).
- Microscopic examination of muscle biopsy pressed between 2 glass plates for *Trichinella* larvae
- Microscopic examination of enzyme digested biopsy material for *Trichinella* larvae
- Serological tests (i.e., complement fixation [CF])

### 4.3 Indications and Limitations

- Presence of larvae in biopsies indicates definitive evidence of infection but microscopy is time consuming, especially in a low infection, and a negative result is not conclusive.
- Only serum samples are suitable for serology

## 5.0 Clinical Evidence

A disease caused by ingestion of *Trichinella* larvae. The disease has variable clinical manifestations. Common signs and symptoms among symptomatic persons include eosinophilia, fever, myalgia, and periorbital edema.

## 6.0 ICD Code(s)

ICD 10 Code B75

## 7.0 Comments

N/A

## 8.0 References

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