

# Appendix B: Provincial Case Definitions for Diseases of Public Health Significance

**Disease: Typhoid Fever**

Effective: February 2019

# Typhoid Fever Disease

## 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 *Salmonella* Typhi (*S. Typhi*) from an appropriate clinical specimen (e.g., sterile site, stool, urine, bone marrow)

### 3.2 Probable Case

- Clinically compatible signs and symptoms in a person with an epidemiologic link to a laboratory-confirmed case

## 4.0 Laboratory Evidence

### 4.1 Laboratory Confirmation

The following will constitute a confirmed case of typhoid fever:

- Positive *S. Typhi* culture

### 4.2 Approved/Validated Tests

- Standard culture for *S. Typhi*
- Serotyping for O, H and Vi antigens

### 4.3 Indications and Limitations

Further strain typing (e.g. serotype, phage typing, PFGE) is conducted, as appropriate, and may be used to support linkage of cases.

## 5.0 Clinical Evidence

Clinically compatible signs and symptoms are characterized by insidious onset of sustained fever, headache, malaise, anorexia, relative bradycardia, constipation, or diarrhea.

## 6.0 ICD 10 Code(s)

A01.0 Typhoid fever

## 7.0 Sources

Heymann DL, editor. Control of Communicable Diseases Manual. 20 ed. Washington, D.C: American Public Health Association; 2015.

Public Health Agency of Canada. Typhoid. In: Case Definitions for Communicable Diseases under National Surveillance. Canada Communicable Disease Report. 2009;35S2.

## 8.0 Document History

**Table 1: History of Revisions**

Revision Date	Document Section	Description of Revisions
March 2017	General	New Template
March 2017	8.0 Sources	Updated
March 2017	9.0 Document History	Updated
February 2019	General	Minor revisions were made to support the regulation change to Diseases of Public Health Significance.
February 2019	3.2 Probable Case	Removal of “OR Positive Nucleic Acid Amplification Test (NAAT) for <i>Salmonella</i> Typhi without culture confirmation”.
February 2019	4.2 Approved/ Validated Tests	Removal of third bullet “NAAT for S.Typhi”.

