

REPORT A CASE OF

Legionnaires' Disease or Pontiac Fever or Asymptomatic Legionella Infection

PERSONAL DETAILS

Forename Initial _____ Surname Initial _____ Sex: Male Female

Date of Birth [][][][][][][][][] Age _____ Occupation _____

Home Address (please give postcode if known)

Work Address

CLINICAL HISTORY OF CASE

Date of onset of symptoms of legionellosis [][][][][][][][][] Date of first diagnosis [][][][][][][][][]

Did/does this patient have pneumonia? Yes No Unknown

What were the other main clinical features? _____

Has the patient had an organ transplant? Yes No Unknown

If YES please give details _____

Was the patient immunosuppressed for other reasons? Yes No Unknown

If YES please give details _____

Please give details of any other underlying condition _____

Initial hospital of patient admission _____ Date of admission [][][][][][][][][]

Outcome Death* Date of death [][][][][][][][][] Death not due to this ID

Still ill Recovering Recovered Unknown

* Death should be directly due to Legionnaires' Disease

POTENTIAL NOSOCOMIAL CASE

If the patient was in hospital or in another healthcare setting for any time in the 14 days BEFORE the date of onset of symptoms of legionellosis:

Name of hospital/healthcare setting _____

Diagnosis on admission _____ Date of admission [][][][][][][][][]

Type of ward or unit in which patient was resident _____

If the patient was transferred from another hospital or healthcare setting, please give details:

Name of hospital/healthcare setting before transfer _____

Date of stay [][][][][][][][][] to [][][][][][][][][]

POTENTIAL COMMUNITY ASSOCIATED CASE

If this is a potential community associated case, please give details:

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POTENTIAL TRAVEL ASSOCIATED CASE

If the patient spent any nights away from home in the 14 days before onset, please give details:

Country	Town or Resort	Hotel/other accommodation* (including room number if known)	Dates of stay	
			From	To

* apartments/campsites/cruise ships etc.

Tour operator (if known) _____

Did the patient have other possible exposure while away, e.g. spa pools Yes No Unknown

If **Yes**, give details _____

Definitions for Surveillance*

For surveillance purposes, please indicate what, in your opinion, is the single most likely source of exposure

TICK ONE ONLY

Nosocomial (acute hospital)	<input type="checkbox"/>	Travel abroad (commercial)	<input type="checkbox"/>
Nosocomial (healthcare other)	<input type="checkbox"/>	Travel abroad (private accommodation)	<input type="checkbox"/>
Community definite	<input type="checkbox"/>	Travel in Republic of Ireland	<input type="checkbox"/>
Community assumed	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
		Other	<input type="checkbox"/>

If **other**, please specify _____

Please state most likely country of infection _____

* See CIDR SOPs for definitions for surveillance

LABORATORY

Please report on all laboratory methods employed

A. Urinary Antigen Test (UAT)

Date of Specimen	Kit Used	Result											
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B. Culture

Date of Specimen	Specimen Type	Species	Serogroup	Result											
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LABORATORY

Please report on all laboratory methods employed

C. Serology

Date of Serum	Assay used (IFAT/Other)	Titre
<input type="text"/>		< 1:64 <input type="checkbox"/> 1:64 <input type="checkbox"/> 1:128 <input type="checkbox"/> 1:256 <input type="checkbox"/> > 1:512 <input type="checkbox"/>
<input type="text"/>		< 1:64 <input type="checkbox"/> 1:64 <input type="checkbox"/> 1:128 <input type="checkbox"/> 1:256 <input type="checkbox"/> > 1:512 <input type="checkbox"/>

*** Overall Serology Result (Tick one box only)**

- Single low titre
 Single high titre
 Negative (< 1:64)
 Fourfold rise in titre
 (based on same assay of paired sera)

* Give the result here and see definitions below
Single high titre: $\geq 1:128$ using IFAT (or $\geq 1:64$ in an outbreak)
Single low titre: $< 1:128$ using IFAT (or $< 1:64$ in an outbreak)
Negative: $< 1:64$
 (HPA definitions)

If other test used (not IFAT), state assay: _____

D. PCR

Date of Specimen	Specimen Type	Result	Sequence type
<input type="text"/>		Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown <input type="checkbox"/>	

E. Direct Immunofluorescence Microscopy for Antigen

Date of Specimen	Specimen type	Species	Serogroup	Result
<input type="text"/>				Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown <input type="checkbox"/>

F. Other Method

Date of Specimen	Method used	Specimen type	Species	Serogroup	Result
<input type="text"/>					Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown <input type="checkbox"/>

Laboratory where microbiology carried out _____

If specimen was sent to a reference laboratory, give details _____

Environmental Investigation

Has an environmental investigation been undertaken? Yes No Pending Unknown

If YES

A) Were *Legionella* bacteria isolated? Yes No Unknown

If Yes, please specify: Species _____ Serotype _____

B) Please tick sites from which samples were taken that tested **positive for *Legionella***
(May tick more than one site)

Cooling tower Cold water system Whirlpool/Spa Unknown

Water system Hot water system Other, please specify _____

C) Did the clinical and environmental isolates match? Yes No Pending Unknown Not applicable

Epi Linked/Outbreaks

1. Is this case known to have exposure to the same common source of *Legionella* as another confirmed case of Legionnaires' Disease? Yes No Unknown

If YES, please give details: _____

2. Was this case known to be exposed to an environmental source of laboratory confirmed *Legionella* e.g. water system, cooling tower etc? Yes No Unknown

3. Is this case linked to an outbreak of Legionnaires' Disease? Yes No Unknown

If YES, please record the CIDR outbreak ID here

COMMENTS

Name of reporting doctor(s) (please print) _____

Position Held _____ Signature _____ Date

CASE DEFINITIONS FOR LEGIONNAIRES' DISEASE

(i) Confirmed case

A clinical diagnosis of pneumonia with laboratory evidence of at least one of the following three:

- Isolation of *Legionella* spp. from respiratory secretions or any normally sterile site
- Detection of *Legionella pneumophila* antigen in urine
- Significant rise in specific antibody level to *Legionella pneumophila* serogroup 1 in paired serum samples

(ii) Probable case

A clinical diagnosis of pneumonia and laboratory evidence of at least one of the following four:

- Detection of *Legionella pneumophila* antigen in respiratory secretions or lung tissue e.g. by DFA staining using monoclonal-antibody derived reagents
- Detection of *Legionella* spp. nucleic acid in respiratory secretions, lung tissue or any normally sterile site
- Significant rise in specific antibody level to *Legionella pneumophila* other than serogroup 1, or other *Legionella* spp. in paired serum samples
- Single high level of specific antibody to *Legionella pneumophila* serogroup 1 in serum

Please return this form to:

Health Protection Surveillance Centre, 25-27 Middle Gardiner Street, Dublin 1

Fax: 01 - 8561299

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