

LEGIONELLOSIS

Basis of Diagnosis	
CLINICAL CRITERIA	
Fits clinical description	<p>Tick "Yes" if the case fits the clinical description as follows:</p> <p><i>Legionella</i> infections can be classified into four categories:</p> <ol style="list-style-type: none"> 1. Subclinical infection (i.e. infection with no disease) 2. Non-pneumonic disease (i.e. Pontiac fever) 3. Pneumonia (Legionnaire's disease) 4. Extrapulmonary disease.
Clinical features	Ideally, obtain information on all of the clinical features listed. If the feature was present, record by ticking the "Yes" box. If not, tick the "No" box. If not known or unavailable then tick the "Unknown" box.
LABORATORY CRITERIA	
Laboratory criteria	Indicate if the case meets the laboratory criteria. If not, tick the "No" box. If not known or unavailable then tick the "Unknown" box.
Laboratory confirmation	<p>Indicate the status of laboratory confirmation. If the laboratory test results were positive tick the "Yes" option, if negative tick the "No" option. If the results of the laboratory test are not yet available, tick "Awaiting results". If any of the laboratory tests were not carried out, tick "Not Done".</p> <p>Note: A probable case requires a single <i>Legionella</i> serology titre of ≥ 512 or the detection of <i>Legionella</i> nucleic acid. This does not meet the criteria for laboratory confirmation.</p>
CLASSIFICATION	
Classification	<p>Under investigation – a case which has been notified but information is not yet available to classify it as probable or confirmed.</p> <p>Probable - A clinically compatible illness with a single <i>Legionella</i> serology titre of ≥ 512 or the detection of <i>Legionella</i> nucleic acid.</p> <p>Confirmed - A clinically compatible illness that is laboratory confirmed.</p>

	<p>Laboratory confirmation requires at least one of the following:</p> <ul style="list-style-type: none"> • isolation of <i>Legionella</i> species from lung tissue, respiratory secretions, pleural fluid, blood or other tissues • demonstration of <i>Legionella</i> species antigens in lung tissue, respiratory secretions or pleural fluid • a fourfold or greater rise in IFA titre against <i>Legionella</i> species to ≥ 256 between paired sera at the same laboratory • two convalescent phase sera tested in parallel, using species-specific antigen and validated reagents, giving elevated <i>Legionella</i> titres ≥ 512 • Detection of <i>Legionella pneumophila</i> serogroup 1 antigen in urine. <p>Not a case - A case that has been investigated, and has subsequently found not to meet the case definition.</p>
ADDITIONAL LABORATORY DETAILS	
Fields in this section will be updated directly with laboratory results by ESR.	
Organism	Species and serogroup identified. Only needs to be completed if samples were not referred to the Legionella Reference Laboratory at ESR.
ESR Updated	A flag to indicate that the laboratory results have been updated by ESR (closed to users)
Laboratory	The name of the laboratory from where the results originated (closed to users).
Sample Number	The laboratory sample number (closed to users)
Date result updated	The date the result fields were updated (closed to users)
Risk Factors	
Environmental sources of infection	Indicate whether the case has had contact with an identified environmental source of infection during the incubation period (2-10 days). Potential sources include: hot water systems (eg, showers), air conditioning, cooling towers, evaporative condensers, humidifiers, whirlpool spas, respiratory therapy devices, decorative fountains, and compost. If "Yes" specify the details.
Overseas travel	Indicate whether the case was overseas during the incubation period for the disease (range = 2-10 days). If not known or unavailable then tick the "Unknown" box.
Does case smoke cigarettes	Indicate whether the case is a cigarette smoker. If "Yes", specify how many cigarettes per day. If not known or

	unavailable then tick the “Unknown” box.
Immunosuppression/ debilitating condition	Indicate whether the case suffers from immunosuppression or a debilitating condition. If “Yes”, specify the condition. If not known or unavailable then tick the “Unknown” box.
Other risk factor for legionellosis	Specify any other risk factors under surveillance for legionellosis if they were present.

Source	
Confirmed source	Indicate whether a source was confirmed by epidemiological evidence eg, part of an identified common source outbreak (also record in outbreak section) or person to person contact with a known case. If not known or unavailable then tick the “Unknown” box.
<ul style="list-style-type: none"> a) epidemiological evidence b) laboratory evidence 	
Probable source	If no confirmed source, indicate whether a probable source was identified. If “Yes” specify the probable source. If not known or unavailable then tick the “Unknown” box.