LEGIONELLOSIS

Basis of diagnosis

Clinical criteria

Fits clinical description	Select 'Yes' if the case fits the clinical description. For notification purposes, the following three categories meet the clinical criteria for a clinically compatible illness: • pneumonia (Legionnaires' disease) • non-pneumonic disease (eg Pontiac fever) – a self-limiting acute febrile illness which may be accompanied by cough • extrapulmonary disease – involving skin, joints, pericardium or other organs
Clinical features	Ideally, obtain information on all of the clinical features listed. If the feature was present, record by selecting the 'Yes' option. If not, select the 'No' option. If not known or unavailable then select the 'Unknown' option

Laboratory criteria

Meets laboratory confirmation criteria	Indicate if the case meets the laboratory criteria (see below). If not, select the 'No' option. If not known or unavailable then select the 'Unknown' option. **Laboratory definitive evidence for a confirmed case requires** at least one of the following: • isolation (culture) of *Legionella* species from respiratory secretions or other clinical samples • detection of *Legionella* species nucleic acid (by PCR or other detection method) • a fourfold or greater rise in IFA titre against *Legionella* species to ≥ 256 between paired sera tested in parallel using pooled antigen at the same reference laboratory • detection of *Legionella* species antigen in urine. **Laboratory suggestive evidence for a probable case requires**: • one or more elevated *Legionella* species serology titres of ≥ 512 tested using pooled antigen at a reference laboratory.
Laboratory results	Indicate the result of each laboratory confirmation method (including laboratory suggestive evidence for probable cases). If the laboratory test results were positive select the 'Yes' option, if negative select the 'No' option. If the results of the laboratory test are not yet available, select 'Awaiting results'. If any of the laboratory tests were not carried out, select 'Not Done'.

Additional laboratory details

This section will be automatically populated with results from the Legionella Reference Laboratory at ESR
If samples were not referred to the Legionella Reference Laboratory at ESR, complete the organism field.

Organism	Species/serogroup identified.
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).
Date result updated	The date the result fields were updated (closed to users).
Sample Number	The laboratory sample number (closed to users).

Classification

Classification	**Under investigation** – a case which has been notified but information is not yet available to classify it as probable or confirmed. **Probable:** – a clinically compatible illness that has laboratory suggestive evidence. **Confirmed:** – a clinically compatible illness that has laboratory definitive evidence. **Not a case** - a case that has been investigated and subsequently found not to meet the case definition.

Risk factors

Exposure to environmental sources of infection	Indicate whether the case had contact with an identified environmental source of infection during the incubation period (2−14 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: 2−14 days). If not known or unavailable then select the 'Unknown' option.
Smoke cigarettes	Indicate whether the case is a cigarette smoker. If 'Yes', specify how many cigarettes per day. If not known or unavailable then select the 'Unknown' option.
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 select the 'Unknown' option.
Other risk factors for legionellosis	Specify any other risk factors under surveillance for legionellosis if they were present.

Source

Sourced confirmed by epidemiological evidence	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 select the 'Unknown' option.
Source confirmed by laboratory evidence	Indicate whether a source was confirmed by laboratory evidence eg, organism or toxin of same type identified in food or drink consumed by the case. If 'Yes' specify the confirmed source. If not known or unavailable then select the 'Unknown' option.
Specify confirmed source	Specify source if 'Yes' to confirmed source by epidemiological or laboratory evidence.
Probable sources identified	If 'No' confirmed source, indicate whether a probable source was identified. If not known or unavailable then select the 'Unknown' option.
Specify probable source	Specify source identified if 'Yes' to probable sources identified.