



**Who was interviewed to obtain exposure history?**

Patient  Surrogate; relationship to patient: \_\_\_\_\_  Neither; reason: \_\_\_\_\_

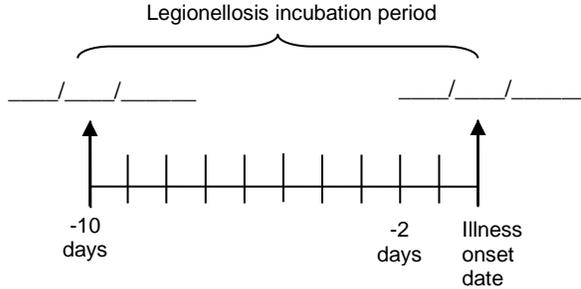
*Whenever possible, interview a patient or surrogate to obtain exposure history. If the patient is unable to communicate at the time of investigation, complete the interview with a surrogate but please consider interviewing the patient at a later date. Ask patient/surrogate to refer to a calendar and gather booking info/receipts/itineraries for recent travel and medical stays.*

**Contact Attempts: Record date(s) and contact method (phone, text, letter):**

Date 1: ___/___/___ Time: _____	Date 2: ___/___/___ Time: _____	Date 3: ___/___/___ Time: _____
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**Were medical records obtained and abstracted/reviewed for this investigation?**  Yes  No  Unknown

**INFECTION TIMELINE:** Enter onset of illness. Count backward to determine beginning of incubation period for exposure history sections below.



- **Incubation period:** Legionnaires' disease is typically 2–10 days; Pontiac fever is 5–72 hours.
- For all legionellosis cases, please ask about exposures in the **entire 10-day period** prior to illness onset.

**TRAVEL HISTORY (OR RESIDENCE IN A TRAVEL ACCOMMODATION)**

In the 10 days before onset, did the patient spend any nights away from home (e.g., hotel, motel, cruise ship, train, RV park, resort, hostel, private residence, campground, etc.), excluding healthcare settings, or was the person living in a travel accommodation?

Yes, please complete the table below  No  Unknown

#	Accommodation name and type <sup>‡</sup>	Address, city, state, zip code, country	Room number	Arrival date	Departure date
1					
2					
3					
4					

*‡If patient was on a cruise ship during the incubation period, complete this investigation form and the CDC Legionellosis Cruise Ship Questionnaire*

**ADDITIONAL TRAVEL QUESTIONS**

**If patient reported using a recreational vehicle (RV) or camper in the table above, please ask the following:**

Name and location of RV park/campgrounds (if not given above): \_\_\_\_\_

Campsite/row number: \_\_\_\_\_ Used drinking water camper/RV hookups?  Yes  No  Unknown

Date(s) when camper/RV water tanks were last flushed: \_\_\_\_\_

**EVENTS**

In the 10 days before onset, did the patient attend any conventions, conferences, public gatherings, meetings, festivals, or other events (e.g., wedding, reunion, exhibit, trade show, fair)?  Yes, please complete the table below  No  Unknown

Type of event	Date(s) attended	Name/location and address of event

**MEDICAL FACILITY EXPOSURE HISTORY**

In the 10 days before onset, did the patient visit, stay, or work at a healthcare setting (e.g., hospital, rehab facility, clinic, dental office)?

Yes, please complete the table below     No     Unknown

Type of healthcare facility	Type of exposure	Facility name and complete address	Reason for visit	Date(s) of visit / admission	Date of discharge
<input type="checkbox"/> Clinic <input type="checkbox"/> Dental <input type="checkbox"/> Hospital <input type="checkbox"/> Other: _____ <input type="checkbox"/> Rehab	<input type="checkbox"/> Employee <input type="checkbox"/> Inpatient <input type="checkbox"/> Outpatient <input type="checkbox"/> Visitor <input type="checkbox"/> Volunteer				
<input type="checkbox"/> Clinic <input type="checkbox"/> Dental <input type="checkbox"/> Hospital <input type="checkbox"/> Other: _____ <input type="checkbox"/> Rehab	<input type="checkbox"/> Employee <input type="checkbox"/> Inpatient <input type="checkbox"/> Outpatient <input type="checkbox"/> Visitor <input type="checkbox"/> Volunteer				
<input type="checkbox"/> Clinic <input type="checkbox"/> Dental <input type="checkbox"/> Hospital <input type="checkbox"/> Other: _____ <input type="checkbox"/> Rehab	<input type="checkbox"/> Employee <input type="checkbox"/> Inpatient <input type="checkbox"/> Outpatient <input type="checkbox"/> Visitor <input type="checkbox"/> Volunteer				

If yes, was the patient hospitalized or living at the facility for the entire incubation period?  Yes<sup>s</sup>    No    Not applicable    Unknown

If yes, was the facility a transplant center?  Yes    No    Unknown

In the 10 days before onset, did the patient visit, stay or work at a nursing home, assisted living facility, senior living facility, or similar?

Yes, please complete the table below     No     Unknown

Type of facility	Type of exposure	Facility name and complete address	Date(s) of visit / admission	Date of discharge
<input type="checkbox"/> Assisted living facility <input type="checkbox"/> Nursing home (with skilled nursing or personal care) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Senior living facility (without skilled nursing or personal care) <input type="checkbox"/> Skilled nursing facility	<input type="checkbox"/> Employee <input type="checkbox"/> Other: _____ <input type="checkbox"/> Resident <input type="checkbox"/> Visitor <input type="checkbox"/> Volunteer			
<input type="checkbox"/> Assisted living facility <input type="checkbox"/> Nursing home (with skilled nursing or personal care) <input type="checkbox"/> Other: _____ <input type="checkbox"/> Senior living facility (without skilled nursing or personal care) <input type="checkbox"/> Skilled nursing facility	<input type="checkbox"/> Employee <input type="checkbox"/> Other: _____ <input type="checkbox"/> Resident <input type="checkbox"/> Visitor <input type="checkbox"/> Volunteer			

If yes, was the patient living at the facility for the entire incubation period?  Yes<sup>s</sup>    No    Not applicable    Unknown

**CORRECTIONAL FACILITY EXPOSURE HISTORY**

In the 10 days before onset, did the patient visit, work, or stay at a correctional facility?    Yes    No    Unknown

If yes, name and address of facility: \_\_\_\_\_

Type of exposure:  Inmate    Employee    Visitor    Other: \_\_\_\_\_

Date(s) of visit or incarceration: \_\_\_\_\_ Date(s) of release / transfer: \_\_\_\_\_

Was the patient living at the facility for the entire 10 days before onset?  Yes<sup>s</sup>    No    Not applicable    Unknown

**§Definitions:**

Definite facility-associated case: Case spent entire incubation period in the facility

Possible facility-associated case: Case spent a portion of the incubation period in the facility

Outbreak<sup>||</sup> (one of the following):

- One definitely healthcare-associated case, **OR** at least 2 possibly healthcare-associated cases within 1 year associated with the same healthcare facility
- At least 2 cases associated with the same non-healthcare facility (e.g., hotel, gym, etc.) or other common location (e.g., amusement park) within 1 year

<sup>||</sup>Note: A thorough investigation is important to exclude other plausible sources of infection (i.e., those not associated with the facility/location).

For outbreak investigation and other instructions, see EAIDB Investigation Guidelines: <http://www.dshs.state.tx.us/IDCU/investigation/Investigation-Guidance/>

**OTHER EXPOSURE HISTORY QUESTIONS**

**In the 10 days before onset, did the patient have exposure (e.g., getting in, sitting/being near, or walking by, even briefly) to any of the following potential sources of misty/aerosolized water, while traveling, hospitalized, or in the case's home city?**

*Please complete the table below:*

<b>Exposure type</b> <i>Includes getting in, sitting/being near, or walking by a functioning/working device</i>	<b>Yes</b>	<b>No</b>	<b>Unknown</b>	<b>Location(s)</b>	<b>Date(s)</b>	<b>Description of exposure and duration</b> (e.g., sat near for 1 hour)
Car Wash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Centralized cooling tower/ HVAC systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Decorative fountain, waterwall, or water display	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Home humidifier or mister	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Hot springs, mineral baths, or geothermal waters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Hot tub or whirlpool spa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Jetted bathtub (away from home, filled and drained after each use)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Pressure Washer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Recreational misters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Shower (away from home)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Steam room or wet sauna	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Store misters (e.g., grocery store, gardening)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Swimming or wading pool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Therapeutic spa venue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Waterpark, splash pad	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

**In the 10 days before onset, did the patient use a nebulizer, CPAP, BiPAP or any other respiratory therapy equipment for the treatment of sleep apnea, COPD, asthma or for any other reason?**  Yes, please fill in details below  No  Unknown

Type of device: \_\_\_\_\_ Date(s): \_\_\_\_\_ Location: \_\_\_\_\_

Does the device use a humidifier or misty water?  Yes  No  Unknown

Type of water used in the device?  Sterile  Distilled  Bottled  Tap (well)  Tap (city)  Other: \_\_\_\_\_  None  Unknown

Describe how the device is cleaned: \_\_\_\_\_

**In the 10 days before onset, did the patient have any exposures to soil, potting soil, or compost (e.g., gardening, excavation, etc.)?**

Yes  No  Unknown *If yes, provide place, dates, product, description (e.g., "gardening—potting soil purchased from Store A"):*

Location, soil type, activities: \_\_\_\_\_ What dates: \_\_\_\_\_

**In the 10 days before onset, does the patient recall any general construction, plumbing projects, water main breaks, or water line work at or near a location where the patient lived, was hospitalized, worked, or visited?**  Yes  No  Unknown

*If yes, provide place, dates, and description (e.g., "new building construction at Hospital A on 1/1/16"):*

Location and details: \_\_\_\_\_ What dates: \_\_\_\_\_

Location and details: \_\_\_\_\_ What dates: \_\_\_\_\_

Location and details: \_\_\_\_\_ What dates: \_\_\_\_\_

**In the 10 days before onset, did the patient work, attend school, or volunteer?**  Yes, please complete table below  No  Unknown

Job/activity description	Employer/facility	Employer/facility address	Date(s) worked, volunteered, etc.	Duration (e.g., 8 hours/day)

**Does the patient know of anyone else with similar symptoms or pneumonia?**  Yes, please complete the table below  No  Unknown

Name	Age	Onset date	Contact information	Shared Exposures	Legionella testing done?	Legionella test results
		__/__/__			<input type="checkbox"/> Yes <input type="checkbox"/> No	
		__/__/__			<input type="checkbox"/> Yes <input type="checkbox"/> No	

**PUBLIC HEALTH ACTIONS TAKEN** (please refer to the Prevention and Control Measures section in the Legionellosis chapter of the EAIDB Investigation Guidelines for examples)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**ADDITIONAL COMMENTS**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_