Form Approved OMB No. 0920-1011 Exp. Date 03/31/2017

Medical Record Abstraction Form

Medical Record Abstraction Form *<Example. Modify to fit current outbreak.>* **Legionnaires** 'disease in an Acute Care Hospital

Medical Record #				
Abstractor Initials:				
Today's Date:	_ (mm/dd/yyyy)			
Information Source (check a	ll that apply):			
hospital chart				
other (if other specify)				
other (if other speeliy)				
I. PATIENT INFORMATION				
Name:				
Gender:				
Gender:				
DOB: Age	e: Race/Ethnicity:			
				
Type of Residence: Home	LTCF Other	_		
Address:		_ Apt:		
City.	Country	Chaha	7to Carla	
City:	County:	State:	zip Code:	
Phone number				

Case ID# _	
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CASE DEFINITIONS < Modify to fit current outbreak>

A **definitely nosocomial** case of LD associated with Hospital A:

- Signs or symptoms of pneumonia AND
- Laboratory confirmation of Legionella AND
- Continuously hospitalized at Hospital A for the entire 10 days prior to onset, OR
- The patient had exposure to Hospital A during the 10 days prior to onset AND a clinical respiratory isolate matches an environmental isolate from Hospital A by molecular methods

A **probably nosocomial** case of LD associated with Hospital A:

- Signs or symptoms of pneumonia AND
- Laboratory confirmation of Legionella AND
- Exposure to Hospital A (including but not limited to: overnight stay, outpatient visit, visitor, employee, volunteer) during a portion of the 2-10 days prior to onset

A **suspected** case of LD associated with Hospital A:

- Signs or symptoms of pneumonia AND
- No Legionella test performed or results unavailable AND
- No other laboratory-confirmed diagnosis for the pneumonia AND
- Exposure to Hospital A (including but not limited to: overnight stay, outpatient visit, visitor, employee, volunteer) during the 2-10 days prior to onset

A person is considered to have signs or symptoms of pneumonia if the following were present:

- Cough or shortness of breath, AND at least one of the following: fever ≥100.5°F, nausea, diarrhea (3 or more stools in 24 hrs.), confusion, malaise, or headache, OR
- Physician diagnosis of pneumonia, OR
- Chest x-ray consistent with pneumonia.

Laboratory criteria for confirmed legionellosis:

- Isolation of any *Legionella* organism from respiratory secretions, lung tissue, pleural fluid, or other normally sterile fluid, OR
- Detection of Legionella pneumophila serogroup 1 (Lp1) urinary antigen using validated reagents, OR
- Fourfold or greater rise in antibody titer to Lp1 using validated reagents.

Laboratory criteria for probable legionellosis:

- Fourfold or greater rise in antibody titer to non-Lp1 *Legionella* species using validated reagents.
- Detection of specific *Legionella* antigen or staining of the organism in respiratory secretions, lung tissue or pleural fluid by direct fluorescent antibody (DFA) staining, immunohistochemistry (IHC) or other similar method, using validated reagents
- Detection of Legionella species by a validated nucleic acid assay.

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II. LEGIONELLA-SPECIFIC TESTING

1.	Respiratory specimen collected and processed specifically for <i>Legionella</i> culture? Yes (See 1a. below) No (See 1b. below) Unknown
	a.) If YES , Specimen type: (e.g., expectorated sputum, BAL, etc.) Collected Date:/ Laboratory Name: Results:
	b.) If NO, Respiratory specimen collected for any culture? Yes No Unknown If Yes, Specimen type: (e.g., expectorated sputum, BAL, etc.) Collected Date: / Laboratory: Results:
2.	Urine specimen collected for <i>Legionella</i> urine antigen testing? Yes No Unknown Collected Date:/ Laboratory Name: Results:
3.	Serum sample collected for <i>Legionella</i> serologic testing? Yes No Unknown If Yes, Collected Date:/ Laboratory: Type of assay (e.g., Lp1 only, Lp1-6 pooled antigen, <i>Legionella</i> species pooled antigen, etc.) Results:
	a.) If convalescent serum samples were collected, please provide the same information for each: Collected Date:// Laboratory: Type of assay (e.g., Lp1 only, Lp1-6 pooled antigen, Legionella species pooled antigen, etc.) Results: Collected Date:// Laboratory: Type of assay (e.g., Lp1 only, Lp1-6 pooled antigen, Legionella species pooled antigen, etc.) Results: Results:
4.	PCR testing for Legionella? Yes No Unknown Collected Date:/ Laboratory Name: Results:

Case	ID#		
Case	11)#		

DFA or IHC for Legionella species?Yes No Unknown					
Collected Date:/_ Results:	/ Lak	ooratory Nam	e:		
 6. Outcome: Still Hos Discharged Home a.) If deceased, a. Date of dear b. Was a posti. If ye 	Decea th: mortem exal	sed U (mm/dd/y mination perf	nknown yyy) ormed?Y	′esNo	
III. SIGNS AND SYMPTOMS					
Shortness of breath:	Yes	(Onset Date: _)	No	Unknowr
Cough:	Yes	(Onset Date: _)	No	Unknowr
Hemoptysis:	Yes	(Onset Date: _)	No	Unknowr
Myalgias:	Yes	(Onset Date: _)	No	Unknowr
Fever (self-report):	Yes	(Onset Date: _)	No	Unknowr
Fever ≥100.5°F:	Yes	(Onset Date: _)	No	Unknowr
Diarrhea (3 stools/24h):	Yes	(Onset Date: _)	No	Unknowr
Nausea:	Yes	Onset Date: _)	No	Unknowr
Malaise:	Yes	(Onset Date: _)	No	Unknowr
Headache:	Yes	Onset Date: _)	No	Unknowr
Other ():	Yes	(Onset Date: _)	No	Unknowr
Other ():	Yes	Onset Date: _)	No	Unknowr
Other ():	Yes	(Onset Date: _)	No	Unknowr
First day of inc pd	ate incubati he date of ea	on period arliest sympto	m onset (Q.7		ackward 2-10
Document incubation period	here:		′ to/		

Case ID#	

8. Document any radio	ographic testing in the 14 days aft	er onset of symp	toms of LD:
Chest X-ray:	Yes	No	Unknown
CT scan:	Yes	No	Unknown
Date:/_ Result: N No infiltra	d what were the findings? / lew Infiltrate Old / Unchan te Not available		Indeterminate
IV. EXPOSURE HISTORY	,		
	s general location for each day dur ic location(s) within Hospital A wil	_	ion period. (Additional
Date	Location		ures/Activities
(start with first date of inc pd from top of	(e.g., Hospital A, Hospital B, Home, LTCF, travel location)	spa in gym)	e-op shower, whirlpool
this page)			
9. Type of exposures t	to Hospital A during incubation pe	riod (check all the	at apply):
Inpation	ent Outpatient	Visitor V	olunteer
	(see p. 2 for case definitions): Probably Nosocomial		
	END HERE. Otherwise, continue t	o next page.	

Case ID#	
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VI. MEDICAL HISTORY

COPD/Emphysema/Chronic Lung Disease:	Yes	No/Unknown	
Diabetes:	Yes	No/Unknown	
Congestive Heart Failure:	Yes	No/Unknown	
History of stroke/CVA:	Yes	No/Unknown	
Chronic Renal Insuffiency (CRI/CKD) or End-Stage Renal Disease (ESRD):	Yes	No/Unknown	
Cirrhosis / Liver Disease:	Yes	No/Unknown	
Cancer (Type:):	Yes	No/Unknown	
Organ Transplant:	Yes	No/Unknown	
HIV/AIDS:	Yes	No/Unknown	
Dementia:	Yes	No/Unknown	
Taking Immunosuppressive drugs (e.g., corticosteroids or chemotherapy):	Yes	No/Unknown	
Other ():	Yes	No/Unknown	
Other ():	Yes	No/Unknown	
11. Current Smoker (or quit in the past year): Yes No Unknown 12. Former Smoker: Yes No Unknown Unknown Yes No Unknown Vii. CLINICAL AND EXPOSURE INFORMATION FOR EACH HOSPITALIZATION TO HOSPITAL PRIOR TO ONSET Beginning at the First Day of Incubation Period (top of p. 5), complete this section for each hospitalization to Hospital A in the 10 days prior to symptom onset. If patient had only outpatient or other exposures (was not inpatient at Hospital A), skip to p. 11.			
Hospitalization #	·		
Date of admission:/ Date o	f discharge:/	/	
Admitted to ICU? Yes No If yes, # of days in ICU Intubated? Yes No			
Discharge diagnosis: (Complete all) Legionellosis? Yes Pneumonia? Yes If yes, Etiology:	No		

Case ID#	
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Chest X-ray?		Yes		No		Unknown	
CT scan?		Yes		No		Unknown	
	when and w		e the findi	ngs?			
	//			-11/			
				Old / Unchang	ged Infiltrate	Inde	eterminate
	No infiltrate						
Finair	igs:						
List all campu	ses, buildings	s. and ro	oms the p	atient stayed i	n during this	visit:	
	Building	Room		eason for Visit	Admit [scharge
Campus	J						ate
•							
Mas nations			Vaa	NI-		I ladea avera	
Was patient a	•			No pitalization? _			Unknoum
ыа ра	atient leave t	bullaling	during nos	pitalization: _	res	NO	OHKHOWH
Showered in f	acility?	Vec	N	o Un	known		
				Veekly		Unkno	w.n
TIOW		_ Daily	v	veckly	ivionitiny		, vvi i
Used CPAP/Bi	PAP while in	facility?		YesI	No	Unknown	
	. ,	, .					
Nebulized me	dications wh	ile in fac	cility?	Yes	No	Un	known
Document any	y antibiotic tl	herapies	that the p	oatient receive	ed during thi	s hospitaliz	zation:
Antibiotic	Check if	Do	ose	Route	Start Date	End Date	Check if
	given						continued as
							outpatient
Levofloxacin							
(Levoquin)							
Azithromycin							
(Zithromax)							
Ciprofloxacin							
(Cipro)							
Erythromycin							
- C (1 :							
Ceftriaxone							
(Rocephin)	١.						
Other (specify	<i>'</i> ·						
Other (specify	7).						+
other (specify	' '						

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Hospitalization	on #						
Date of admis	ssion:/_	/ Da	te of disch	arge:/_	/	_	
Admitted to I			No .	Unkno	own		
-	, # of days in						
Intub	ated?	Yes	No _	Unkno	own		
Discharge dia	gnosis: (Com	olete all)					
Legionellosis	?	Yes	_	No		_ Unknow	n /n
Pneumonia?				No		_ Unknow	n /n
If yes	, Etiology:		L	_ab Test(s): _			
Other Dx:							
Chest X-ray?		Yes		No		_ Unknow	/n
CT scan?		Yes		No		_ Unknow	/n
If Yes	, when and w	hat were the	findings?				
Date:	:/						
Resul	lt: New	Infiltrate _	Old /	Unchanged I	Infiltrate	I	ndeterminate
	No infiltrate	Not a	ıvailable				
Findi	ngs:						
			.1	1:	1		
List all campu							D: 1
Name of	Building	Room#	Reason	tor visit	Admit	Date	Discharge
Campus							Date
Was patient a	ambulatory?	,	/ec	No		Unknow	m
•	•					_	Unknown
ыц р	atient leave L	unung durin	g Hospitali.	Zation:	_ 165	NO .	OTKHOWII
Showered in							
How	often?	_ Daily	Weekly	/ Mo	onthly _	Un	known
Used CPAP/B	iPAP while in	facility? _	Yes	No		_ Unknow	/n
Nebulized me	edications wh	ile in facility?	Ye	es	_ No		Unknown

Case ID#	
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Document any antibiotic therapies that the patient received during this hospitalization:

Antibiotic	Check if given	Dose	Route	Start Date	End Date	Check if continued as outpatient
Levofloxacin						
(Levoquin)						
Azithromycin						
(Zithromax)						
Ciprofloxacin						
(Cipro)						
Erythromycin						
Ceftriaxone						
(Rocephin)						
Other (specify):						
Other (specify):						

Hospitalization #	_					
Date of admission:	// Date	e of discharge:				
Admitted to ICU? Yes No Unknown If yes, # of days in ICU						
•	Yes N	No Unl	known			
Discharge diagnosis:	(Complete all)					
Legionellosis?	Yes	No		Unknown		
Pneumonia?	Yes	No		Unknown		
If yes, Etiolog	gy:	Lab Test(s):			
Other Dx:						
Chest X-ray?	Yes	No		Unknown		
CT scan?	Yes	No		Unknown		
If Yes, when a	and what were the f	indings?				
Date: /	/	_				
		Old / Unchange	ed Infiltrate	Indeterminate		
	trate Not av					
						
1 111011163						

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List all campuses, buildings, and rooms the patient staved in during this visit:

List all campu	List all campuses, buildings, and rooms the patient stayed in during this visit:							
Name of	Building	Room#	Reason for Visit	Admit Date	Discharge			
Campus					Date			
Was patient ambulatory? Yes No Unknown Did patient leave building during hospitalization? Yes No Unknown								
Showered in f	acility?	Yes	_ No Unkno	own				
			 Weekly Mo		ıknown			
		,	_ ,					
Used CPAP/BiPAP while in facility? Yes No Unknown								
Nebulized me	dications whi	le in facility?	Yes	No	Unknown			
Document any antibiotic therapies that the nationt received during this hospitalization:								

Document any antibiotic therapies that the patient received during this hospitalization:

Antibiotic	Check if given	Dose	Route	Start Date	End Date	Check if continued as outpatient
Levofloxacin (Levoquin)						
Azithromycin (Zithromax)						
Ciprofloxacin (Cipro)						
Erythromycin						
Ceftriaxone (Rocephin)						
Other (specify):						
Other (specify):						

VIII. OUTPATIENT VISITS to Hospital A or associated clinics (including rehab visits)							
Did patient have any outpatient visits during the 2-10 days prior to symptom onset? Yes No Unknown							
If yes, list loca	tion of visits and name o	of clinic:					
Name of	Clinic	Building	Room#	Date(s) of Visit			
Campus	(e.g., Primary Care, Cardiology)						
IX. OTHER EXPOSURES							
Did patient have any other exposure to Hospital A in the 2-10 days prior to symptom onset (e.g., visitor, volunteer, employee)? Yes No Unknown							
Please note these exposures:							

Case ID# _____