Local ID Number: \_\_\_\_\_

California Department of Public Health Center for Infectious Diseases Division of Communicable Disease Control Infectious Diseases Branch Surveillance and Statistics Section MS 7306, P.O. Box 997377 Sacramento, CA 95899-7377

# LEPTOSPIROSIS CASE REPORT

PATIENT INFORMATION										
Last Name	First Name	t Name		Middle Na	me		Suffix	Primary Lan	guage	
					1			☐ English		
Social Security Number (9 digits	s)		DOB (mm/dd	/yyyy)	Age		☐ Years	☐ Spanish		
							☐ Months ☐ Days	☐ Other:		
							,	Ethnicity (ch	neck one)	
Address Number & Street – Res	sidence			Apartment	t / Unit	Numb	er	☐ Hispanic/Latino		
0" /=				0		-: a		1 '	anic/Non-Lat	ino
City / Town				State		Zip C	ode	□ Unknown		
On the state of	0	-!-!		0	( D : -!			Race(s)	at annly race	e descriptions on page 7)
Census Tract	County of Re	siaeni	ce	Country of	Resid	ence				should be based on the
Occupation of Birth		15		D-46 A		10 /	(-1-14			elf-reporting. Therefore,
Country of Birth		II r	not U.S. Born - L	Jate of Arriv	⁄ai in U	patients should be offered the option of se			d the option of selecting	
	10 " "			1,,,				more than o	ne racial des	ignation.
Home Telephone	Cellul	ar Pno	one / Pager	Wo	rk / Scr	1001 1	elephone	☐ American	Indian or Ala	aska Native
- "AII			0,, 5, ,	. 0 , ,				☐ Asian <i>(ch</i>	eck all that a	pply, see list on page 7)
E-mail Address			Other Electron	nic Contact	intorma	ation		☐ Asian	Indian	☐ Korean
Work / School Location			Work / School	Contact				☐ Bangl	adeshi	☐ Laotian
Work / School Education			VVOIK / SCHOOL	Contact				☐ Camb		□ Malaysian
Gender								☐ Chine		□ Pakistani
☐ Female ☐ Trans female / ti	ranswoman	ПGe	enderqueer or n	on-hinary	□ Unl	known	1	☐ Filipin		☐ Sri Lankan
□ Male □ Trans male/ transman □ Identity not listed □ Declined to answer					☐ Hmon	· ·	☐ Taiwanese			
Pregnant?					- □ Indon		☐ Thai			
☐ Yes ☐ No ☐ Unknown				,	•	,,,,	,	☐ Japan		☐ Vietnamese
Medical Record Number			Patient's Pare	nt/Guardiar	Name	□ Other: □ Other: □ Black or African-American				
Occupation Setting (see list on )	page 8)		Other Describe	e/Specify		□ Native Hawaiian or Other Pacific Islande (check all that apply, see list on page 7)				
								☐ Native	e Hawaiian	□ Samoan
Occupation (see list on page 8)			Other Describe	e/Specify				□ Fijian		☐ Tongan
								☐ Guam	anian	
								☐ Other:	·	
								□ White		
								☐ Other:		
								□ Unknown		
ADDITIONAL PATIENT DE	MOGRAPHI	cs								
Sex Assigned at Birth	Sexu	al Orie	entation							
☐ Female ☐ Unknown	□ He	terose	exual or straight			Questi	oning, unsure	, or patient do	esn't know	$\square$ Declined to answer
☐ Male ☐ Declined to ans	swer □ Ga	y, lest	bian, or same-ge	ender loving	J 🗆 (	Orienta	ation not listed	t		□ Unknown
	☐ Bis	exual								
CLINICAL INFORMATION										
Physician Name - Last Name				First	First Name Telephone Number			Number		

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LEPTOSPIROSIS CASE REPORT							
First three letters of patient's last name:							

												-			
SIGNS AND SYMPTO	OMS														
Symptomatic?  ☐ Yes ☐ No ☐ Unkno	own		Onse	et Date (i	mm/dd/	уууу)			Da	ate First	Sought Medical Care (mm/	dd/yyyy)			
Signs and Symptoms					Yes	No	Unk	Signs ar	nd S	Sympton	ns		Yes	No	Unk
Fever  If Yes, highest tempera	ature:	spe	cify °F	:/°C				Icterus	Icterus						
Headache								Uremia							
Chills							Abdomin	al p	ain						
Myalgia							Vomiting								
Conjunctivitis								Diarrhea							
Photophobia, uveitis								Hemorrh	age	)					
Meningitis								Respirato	ory i	insufficie	ency				
Rash  If Yes, location of rash:								•							
HOSPITALIZATION				<u> </u>			<u> </u>								
Did the patient visit the e		y room fo	or illne:	ss?											
Yes □ No □ Unknown   Was the patient hospitalized? □ Yes □ No □ Unknown If Yes,			how ma	ny tota	l hospit	al nights?		an	uring any part of the hospita n intensive care unit (ICU) o Yes □ No □ Unknown						
If there were any ER or h	ospital st	tays relat	ed to t	his illnes	ss, spec	ify deta	ails in th	e Hospitali	zatio	on – Det	tails section below.				
HOSPITALIZATION -	DETAIL	LS													
Hospital Name 1	Street A	ddress			Admit Date (mm/dd/yyy					Admit Date (mm/dd/yyyy)					
	City										Discharge / Transfer Date (mm/dd/yyyy)				
	State	Zip Cod	de	Teleph	none Nu	ımber					Medical Record Number	Dischar	ge Diag	gnosis	
Hospital Name 2	Street A	ddress									Admit Date (mm/dd/yyyy)				
	City										Discharge / Transfer Date	Transfer Date (mm/dd/yyyy)			
	State	Zip Cod	de	Teleph	none Nu	ımber					Medical Record Number	Dischar	ge Diag	gnosis	
TREATMENT / MANA	GEMEN	VT													
Received Treatment?  ☐ Yes ☐ No ☐ Unkn	own							If Yes, spe	ecify	the trea	atment below.				
TREATMENT / MANA	GEMEN	NT - DE	TAILS	5											
Treatment Type 1  ☐ Antibiotic ☐ Other	Treat	tment Na	me &	Dosage						Date S	Started (mm/dd/yyyy)	Date Ended (mm/dd/yyyy)			
Treatment Type 2  ☐ Antibiotic ☐ Other	Treat	tment Na	me &	Dosage				Date Started (mm/dd/yyyy) Date Ended			nded (m	m/dd/y	ууу)		
OUTCOME										1		ı			
Outcome?						Date of Death (m(mm/dd/yyyy)				(mm/da	//уууу)				

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LEPTOSPIROSIS CASE REPORT								
First three letters of patient's last name:								

LABORATORY INFORMATION							
LABORATORY RESULTS SUMMAR	PY						
Specimen Type 1  □ Serum □ Other:	Collection Date (mm/dd/yyyy)	Laboratory Name	Telephone Number				
If Serum, Type of Test 1  ☐ Microscopic Agglutination Test (MAT)	Antibody type and titer  □ IgG □ IgM □ Unspecified:						
☐ Indirect Immunofluorescence (IFA) ☐ Complement Fixation (CF) ☐ Indirect Hemagglutination Assay (IHA) ☐ ELISA/EIA	Interpretation  □ Positive □ Negative □ Equivocal  Serovar						
☐ Unspecified/Other:	☐ Canicola ☐ Icterohemorrhaç	□ Canicola □ Icterohemorrhagiae □ Pomona □ Other serovar: □ Unspecified					
If Other specimen, Type of Test 1		Result					
☐ Direct Immunofluorescence (DFA) ☐ Darkfield Microscopy ☐ Polymerase Chain Reaction (PCR)	☐ Culture ☐ Other:	Interpretation  □ Positive □ Negative □ Equivocal					
Specimen Type 2	Collection Date (mm/dd/yyyy)	Laboratory Name	Telephone Number				
☐ Serum ☐ Other:							
If Serum, Type of Test 2  ☐ Microscopic Agglutination Test (MAT)	Antibody type and titer ☐ IgG ☐ IgM	☐ Unspecified:					
☐ Indirect Immunofluorescence (IFA) ☐ Complement Fixation (CF) ☐ Indirect Hemagglutination Assay (IHA) ☐ ELISA/EIA	Interpretation  ☐ Positive ☐ Negative ☐ Equivocal  Serovar						
☐ Unspecified/Other:	□ Canicola □ Icterohemorrhagiae □ Pomona □ Other serovar: □ Unspecified						
If Other specimen, Type of Test 2  □ Direct Immunofluorescence (DFA)	☐ Culture	Result					
☐ Darkfield Microscopy ☐ Polymerase Chain Reaction (PCR)	Other:	Interpretation  □ Positive □ Negative □ Equivocal					
Specimen Type 3  ☐ Serum ☐ Other:	Collection Date (mm/dd/yyyy)	Laboratory Name	Telephone Number				
If Serum, Type of Test 3  ☐ Microscopic Agglutination Test (MAT)	Antibody type and titer □ IgG □ IgM	☐ Unspecified:					
☐ Indirect Immunofluorescence (IFA) ☐ Complement Fixation (CF) ☐ Indirect Hemagglutination Assay (IHA)	Interpretation  ☐ Positive ☐ Negative ☐ Equ	ivocal					
☐ ELISA/EIA ☐ Unspecified/Other:	Serovar  ☐ Canicola ☐ Icterohemorrhaç	giae □ Pomona □ Other serovar:	□ Unspecified				
If Other specimen, Type of Test 3		Result					
□ Direct Immunofluorescence (DFA) □ Darkfield Microscopy □ Polymerase Chain Reaction (PCR)	☐ Culture ☐ Other:	Interpretation  □ Positive □ Negative □ Equivocal					

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LEPTOSPIROSIS CASE REPORT							
First three letters of patient's last name:							

EPIDEMIOLOGIC INFOR	MATION										
EXPOSURES / RISK FA	CTORS										
	cc	NTACT	WITH THE F	OLL	OWING DURING THE 30 DAY	YS PRIC	OR TO ON	SET			
		Yes	No I	Unk	If Yes, Specify as Noted						
Bodies of water, natural (e.g., lakes, rivers)					Activity		Lo	Location			
Bodies of water, temporary (e.g., lagoons, flood waters)					Activity		Lo	ocation			
Other untreated water (e.g.,	sewage)				Activity		Lo	ocation			
Farm, agriculture					Activity			ocation			
Farm, livestock					Activity			ocation			
Other exposure or activity					Activity			ocation			
Occupation at Date of Onset	,	Kind of Business or Industry									
ANIMAL CONTACTS											
Animal Contact 1	Type of	Exposure	e				Place of I	Exposure			
☐ Cattle ☐ Dogs ☐ Rats/rodents ☐ Other:	Date of	Exposur	e (mm/dd/yyy	,	Was the animal ill? □ Yes □ No □ Unknown		Illness Su	ımmary			
	1	∕ Veterina □ No □	arian? Unknown		Name of Veterinarian	Address	of Veterinarian				
Animal Contact 2	Type of	Exposure	е	•	Place of Expos			Exposure	posure		
☐ Dogs ☐ Rats/rodents ☐ Other:	Date of	Exposur	e (mm/dd/yyy		Was the animal ill?			Summary			
Li Ottler.		∕ Veterina □ No □	arian? Unknown		Name of Veterinarian		Address	of Veterinarian			
TRAVEL HISTORY	·										
Did the patient travel <b>outside</b> □ Yes □ No □ Unknown	-	sidence	during the <b>in</b>	cuba	tion period?	If Yes,	specify all	locations and dates be	elow.		
TRAVEL HISTORY – DE	TAILS										
Travel Type	State		Country	Other location details (city, resort, etc.)		.)	Date Travel Started (mm/dd/yyyy)	Date Travel Ended (mm/dd/yyyy)			
☐ Domestic ☐ Unknow☐ International	wn										
☐ Domestic ☐ Unknow ☐ International	wn										
☐ Domestic ☐ Unknow☐ International	vn										

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LEPTOSPIROSIS CASE REPORT										
st three letters of										

						l	oatient's last r	iame:			
CONTACTS / OTHER ILL PERSONS											
Any contacts with similar  ☐ Yes ☐ No ☐ Unknot					If Yes, specify det	ails below.					
ILL CONTACTS - DE	TAILS										
Name 1	Age	Gender	Telephon	e Number	Type of Contact / F	Type of Contact / Relationship Illness Onset Date (mm/dd/yyyy)					
	Street Address				Exposure Dates Si	hared with Index Case	e (mm/dd/yyy)	<b>Y</b> )			
	City		State	Zip Code	Date First Reported to Public Health (mm/dd/yyyy)						
Name 2	Age	Gender	Telephon	e Number	Type of Contact / Relationship Illness Onset Date (mm/dd/yyyy)						
	Street A	ddress			Exposure Dates Si	hared with Index Case	e (mm/dd/yyy)	v)			
	City		State	Zip Code	Date First Reporte	d to Public Health (mi	m/dd/yyyy)				
NOTES / REMARKS											
REPORTING AGENC	Ϋ́										
Investigator Name			Local He	ealth Jurisdicti	ion	Telephone Number		Date (m	nm/dd/yyy	уу)	
First Reported By  ☐ Clinician ☐ Laborate	ory 🗆 Ot	ther (specify):	:				1				
EPIDEMIOLOGICAL	LINKAG	E									
Epi-linked to known case  ☐ Yes ☐ No ☐ Unknown		Contact N	lame / Case	• Number							
DISEASE CASE CLA	SSIFICA	TION									
Case Classification (see  ☐ Confirmed ☐ Probab		nition on page	e 6)								
OUTBREAK											
Part of known outbreak?  ☐ Yes ☐ No ☐ Unknown		es, extent of o		ultiple CA iuri	sdictions □ Multist	ate □ International	□ Unknown		her (spec	cify).	
Mode of Transmission		-			Vehicle of 0		1 ID Number		attern 2 I		ber
□ Point source □ Person-to-person □ Unknown □ Other (specify):  STATE USE ONLY											
State Case Classification											
☐ Confirmed ☐ Probab	le □ Not	tacase □ N	leed additio	nal informatic	on						

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LEPTOSPI	LEPTOSPIROSIS CASE REPORT									
First three letters of										

patient's last name:

## **CASE DEFINITION**

## **LEPTOSPIROSIS (2013)**

## **CLINICAL CRITERIA**

An illness characterized by fever, headache, and myalgia, and less frequently by conjunctival suffusion, meningitis, rash, jaundice, or renal insufficiency. Symptoms may be biphasic.

Clinical presentation includes history of fever within the past two weeks and at least two of the following clinical findings: myalgia, headache, jaundice, conjunctival suffusion without purulent discharge, or rash (i.e. maculopapular or petechial); OR at least one of the following clinical findings:

- · Aseptic meningitis
- GI symptoms (e.g., abdominal pain, nausea, vomiting, diarrhea)
- Pulmonary complications (e.g., cough, breathlessness, hemoptysis)
- · Cardiac arrhythmias, ECG abnormalities
- Renal insufficiency (e.g., anuria, oliguria)
- Hemorrhage (e.g., intestinal, pulmonary, hematuria, hematemesis)
- •J aundice with acute renal failure

## LABORATORY CRITERIA FOR DIAGNOSIS

Diagnostic testing should be requested for patients in whom there is a high index of suspicion for leptospirosis, based either on signs and symptoms, or on occupational, recreational or vocational exposure to animals or environments contaminated with animal urine.

### Supportive:

- Leptospira agglutination titer of ≥ 200 but < 800 by Microscopic Agglutination Test (MAT) in one or more serum specimens, or
- Demonstration of anti-Leptospira antibodies in a clinical specimen by indirect immunofluorescence, or
- Demonstration of Leptospira in a clinical specimen by darkfield microscopy, or
- Detection of IgM antibodies against Leptospira in an in acute phase serum specimen.

#### Confirmed:

- · Isolation of Leptospira from a clinical specimen, or
- Fourfold or greater increase in Leptospira agglutination titer between acute- and convalescent-phase serum specimens studied at the same laboratory, or
- Demonstration of Leptospira in tissue by direct immunofluorescence, or
- Leptospira agglutination titer of ≥ 800 by Microscopic Agglutination Test (MAT) in one or more serum specimens, or
- Detection of pathogenic Leptospira DNA (e.g., by PCR) from a clinical specimen.

## **EPIDEMIOLOGIC LINKAGE**

Involvement in an exposure event (e.g., adventure race, triathlon, flooding) with associated laboratory-confirmed cases.

## **CASE CLASSIFICATION**

Probable: A clinically compatible case with at least one of the following:

- Involvement in an exposure event (e.g., adventure race, triathlon, flooding) with known associated cases, or
- Presumptive laboratory findings, but without confirmatory laboratory evidence of Leptospira infection.

Confirmed: A case with confirmatory laboratory results, as listed above.

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First three letters of		
patient's last name:		

RACE DESCRIPTIONS								
Race	Description							
American Indian or Alaska Native	Patient has origins in any of the original peop	les of North and South Amer	rica (including Central America).					
Asian	Patient has origins in <b>any</b> of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent (e.g., including Bangladesh, Cambodia, China, India, Indonesia, Japan, Korea, Malaysia, Nepal, Pakistan, the Philippine Islands, Thailand, and Vietnam).							
Black or African American	Patient has origins in <b>any</b> of the black racial g	roups of Africa.						
Native Hawaiian or Other Pacific Islander Patient has origins in <b>any</b> of the original peoples of Hawaii, Guam, American Samoa, or other Pacific								
White Patient has origins in <b>any</b> of the original peoples of Europe, the Middle East, or North Africa.								
ASIAN GROUPS								
Bangladeshi     Filipino	<ul> <li>Japanese</li> </ul>	<ul> <li>Maldivian</li> </ul>	Sri Lankan					
• Bhutanese • Hmong	<ul> <li>Korean</li> </ul>	<ul> <li>Nepalese</li> </ul>	<ul> <li>Taiwanese</li> </ul>					
• Burmese • Indian	<ul> <li>Laotian</li> </ul>	<ul> <li>Okinawan</li> </ul>	Thai					
• Cambodian • Indonesian	Madagascar	<ul> <li>Pakistani</li> </ul>	<ul> <li>Vietnamese</li> </ul>					
• Chinese • Iwo Jiman	<ul> <li>Malaysian</li> </ul>	<ul> <li>Singaporean</li> </ul>						
NATIVE HAWAIIAN AND OTHER PACIF	IC ISLANDER GROUPS							
• Carolinian • Kiribati	<ul> <li>Micronesian</li> </ul>	<ul> <li>Pohnpeian</li> </ul>	<ul> <li>Tahitian</li> </ul>					
Chamorro     Kosraean	Native Hawaiian	<ul> <li>Polynesian</li> </ul>	<ul> <li>Tokelauan</li> </ul>					
Chuukese     Mariana Is	ander • New Hebrides	<ul> <li>Saipanese</li> </ul>	<ul> <li>Tongan</li> </ul>					
• Fijian • Marshalles	e • Palauan	<ul> <li>Samoan</li> </ul>	<ul> <li>Yapese</li> </ul>					
Guamanian     Melanesia	Papua New Guinean	Solomon Islander						

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First three letters of		
patient's last name:		

## **OCCUPATION SETTING**

- · Childcare/Preschool
- · Correctional Facility
- · Drug Treatment Center
- · Food Service
- · Health Care Acute Care Facility
- Health Care Long Term Care Facility
- · Health Care Other

- · Homeless Shelter
- Laboratory
- · Military Facility
- · Other Residential Facility
- · Place of Worship
- School
- Other

# **OCCUPATION**

- Agriculture farmworker or laborer (crop, nursery, or greenhouse)
- · Agriculture field worker
- · Agriculture migratory/seasonal worker
- · Agriculture other/unknown
- · Animal animal control worker
- Animal farm worker or laborer (farm or ranch animals)
- · Animal veterinarian or other animal health practitioner
- Animal other/unknown
- · Clerical, office, or sales worker
- · Correctional facility employee
- · Correctional facility inmate
- · Craftsman, foreman, or operative
- Daycare or child care attendee
- · Daycare or child care worker
- · Dentist or other dental health worker
- · Drug dealer
- Fire fighting or prevention worker
- · Flight attendant
- · Food service cook or food preparation worker
- Food service host or hostess
- · Food service waiter or waitress
- Food service other/unknown
- Homemaker
- Laboratory technologist or technician
- · Laborer private household or unskilled worker
- · Manager, official, or proprietor
- · Manicurist or pedicurist
- Medical emergency medical technician or paramedic
- Medical health care worker

- · Medical medical assistant
- · Medical pharmacist
- · Medical physician assistant or nurse practitioner
- · Medical physician or surgeon
- · Medical registered nurse
- · Medical other/unknown
- · Military officer
- · Military recruit or trainee
- · Protective service police officer
- · Protective service other
- · Professional, technical, or related profession
- Retired
- · Sex worker
- · Student preschool or kindergarten
- · Student elementary or middle school
- · Student high (secondary) school
- · Student college or university
- · Student other/unknown
- Teacher/employee preschool or kindergarten
- Teacher/employee elementary or middle school
- Teacher/employee high (secondary) school
- Teacher/instructor/employee college or university
- Teacher/instructor/employee other/unknown
- · Unemployed seeking employment
- · Unemployed not seeking employment
- Unemployed other/unknown
- · Other
- Refused
- Unknown

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