PATIENT INFORMATION									
Last Name	First Name		Middle Name		Suffix	Primary Language			
						□ English			
Social Security Number (9 digits	5)	DOB (mm/do	d/yyyy)	Age	□ Years	□ Spanish			
					□ Months □ Days	Other:			
					,	Ethnicity (chec			
Address Number & Street – Residence Apartmer			Apartment /	Unit Num	ber	□ Hispanic/Latino			
						□ Non-Hispan	ic/Non-Latino		
City / Town Sta			State	Zip	Code				
			0 1 1	Rece(s) (check all that apply, race descriptions on page 7)					
Census Tract	County of Resi	dence	Country of Residence						
0 1 10 11		<i></i>					to this item should be based on the lentity or self-reporting. Therefore,		
Country of Birth		If not U.S. Born -	- Date of Arrival in U.S. (mm/dd/yyyy)			patients should be offered the option of selecting more than one racial designation.			
Home Telephone	Cellular	Phone / Pager	Work / School Telephone			□ American Indian or Alaska Native			
E 3 A 1 A						□ Asian (check all that apply, see list on page 7)			
E-mail Address		Other Electro	nic Contact In	formation		🗆 Asian Ind	dian 🛛 Korean		
Mark / Cabaal Lagation		Mark / Cabaa	1 Contract			Banglade	eshi 🛛 Laotian		
Work / School Location		Work / Schoo	Contact			□ Cambod	ian 🛛 Malaysian		
Candar						□ Chinese	🗆 Pakistani		
Gender					in .	🗆 Filipino	🗆 Sri Lankan		
				□ Unknow	d to answer	Hmong	Taiwanese		
Pregnant? If Yes, Est. Delivery Date						 Indonesi 			
			envery Date (I	1111/00/999	(y)	□ Japanes			
Medical Record Number Patient's Parent/Gua			ant/Guardian	lame		□ Other: _			
		FallentSFall	env Guardian i	vanie		□ Black or Afri	can-American		
Occupation Setting (see list on page 8) Other Describe/Spec			ne/Specify				aiian or Other Pacific Islander		
Occupation Setting (see list on page 8) Other Describe			Je/Specily			-	at apply, see list on page 7)		
						□ Native Hawaiian □ Samoan			
Occupation (see list on page 8)		Other Describ	pe/Specify			□ Fijian □ Tongan □ Guamanian			
						□ White			
						Other:			
						🗆 Unknown			
ADDITIONAL PATIENT DE	MOGRAPHICS	6							
Sex Assigned at Birth	Sexual	Sexual Orientation							
Female Unknown		rosexual or straight		□ Questioning, unsure, or patient doesn't know □ Declined to ans			n't know 🛛 Declined to answer		
□ Male □ Declined to answer □ Gay, lesbian, or same-gender loving		ender loving	□ Orientation not listed □ Unknown			Unknown			
□ Bisexual									
CLINICAL INFORMATION									
Physician Name - Last Name				First Na	me		Telephone Number		

First three letters of patient's last name:

SIGNS AND SYMPTO	OMS									
Symptomatic? □ Yes □ No □ Unkno		Dnset	Date (n	mm/dd/yyyy) Date First Sought Medica		ught Medical C	are (mm/dd/yyyy) Durati	ion of Acute Symptoms (days)	
Signs and Symptoms	`	Yes	No	Unk	If Yes, Specify a	as Noted				
Erythema migrans (EM)					Onset date (mm/dd/yyyy) Location		Location or	n body	EM size a	t examination, diameter (cm)
Brief recurrent attacks of swelling in one or a few jo					Onset date (mm/dd/yyyy) Joint(s) affect			ected		
Chronic progressive arth not preceded by brief atta	nritis acks				Onset date (mm/dd/yyyy)					
Facial (VII) palsy or other cranial neuropathy	r				Onset date (mm	Onset date (mm/dd/yyyy)				
Radiculoneuropathy					Onset date (mm/dd/yyyy)					
Paresthesias, dysesthesi	ias				Onset date (mm/dd/yyyy)					
Lymphocytic meningitis					Onset date (mm	Onset date (mm/dd/yyyy)				
Encephalomyelitis					Onset date (mm	n/dd/yyyy)				
Second or third degree atrioventricular block					Onset date (mm/dd/yyyy)					
Myocarditis					Onset date (mm/dd/yyyy)					
Other signs / symptoms (specify)				Onset date (mm/dd/yyyy)						
PAST MEDICAL HIST	TORY									
Prior Lyme disease diagnosis? Specify diagnosis date(s) (mm/dd/yyyy) Yes No Unknown Unknown										
PAST MEDICAL HISTORY - OTHER										
Specify										
HOSPITALIZATION										
Did patient visit the emer □ Yes □ No □ Unkn		om fo	r illness	?						
			es, how many tota	v many total hospital nights? During any part of the hospitalization, did the patient sta an intensive care unit (ICU) or a critical care unit (CCU):			or a critical care unit (CCU)?			
If there were any ER or hospital stays related to this illness, specify details in the Hospitalization – Details section below.										
HOSPITALIZATION – DETAILS										
Hospital Name 1	Street Address					Admit Date (mm/dd/yyyy)				
	City							Discharge / Tr	ansfer Date	e (mm/dd/yyyy)
	State	Zip	Code	Te	lephone Number			Medical Recor	rd Number	Discharge Diagnosis
Hospital Name 2	Street A	Addres	SS			Admit Date (mm/dd/yyyy)				
	City	,						Discharge / Tr	ansfer Date	e (mm/dd/yyyy)
	State	Zip	Code	Te	lephone Number			Medical Recor	rd Number	Discharge Diagnosis

First three letters of patient's last name:

TREATMENT / MANAGEMENT									
Received treatment?	If Yes, specify the treatments below.								
TREATMENT / MANAGEI	MENT D	ETAILS							
<i>Treatment Type 1</i> □ Antibiotic □ Other	lf Antik	iotic, specify route	Treatment Name		Date Started (mm/dd/yyyy)		Date Ended (mm/dd/yyyy)		
<i>Treatment Type 2</i> □ Antibiotic □ Other	lf Antik	viotic, specify route	Treatment Name		Date Started (mm/dd/yyyy)		Date Ended (mm/dd/yyyy)		
OUTCOME			1				1		
Outcome?		If Survived, Da				Date of Dea	ath (mm/dd/yyyy)		
□ Survived □ Died □ Unkn	nown	Survived as of (mm/dd/yyyy)							
LABORATORY INFORMA		Copies of laboratory	y reports must b	e included with	case history.)				
LABORATORY RESULTS	SUMM	ARY							
Specimen Type		Collection Date (mm	/dd/yyyy)	Laboratory Name	9		Telephone Number		
Type of Test	Spe	ecify Test Results as N	loted	1					
EIA / IFA First Tier (standard tw tier or modified two-tier)		ibody		Specify titer o	or OD value		Interpretation		
		gG □ lgM □ Tota)ther:	al 🗆 Unspecifie	d			Positive Negative Equivocal Unknown Pending		
EIA second tier (modified two-tie	er) Ant	ibody		Interpreta	ation				
EIA Not done	□ IgG □ IgM □ Total □ Unspecified □ Positive □ Negative □ Other: □ Unknown □ Pending				5 1				
IgM Western Immunoblot		ecify Bands Present		Interpreta	ation				
Done Not done		□ 21-24 □ 39 □ 41 □ Positive □ Negative □ Equiv □ Unknown □ Pending							
IgG Western Immunoblot	Spe	ecify Bands Present Interpretation							
□ Done □ Not done		8-20					ve □ Negative □ Equivocal own □ Pending		
<i>B. burgdorferi, B. mayonii</i> specific NAAT assay									
Done Not done	□ Positive □ Negative □ Equivocal □ Unknown □ Pending								
IHC on biopsy tissue	Specify tissue Interpretation								
Done Not done				Positive Negative Equivocal Unknown Pending					
Other test	Spe	ecify Test(s)		Result(s)					
EPIDEMIOLOGIC INFORMATION									
INCUBATION PERIOD: 30 DAYS PRIOR TO ILLNESS ONSET									
EXPOSURES/RISK FACTORS									
DID THE PATIENT PARTICIPATE IN ANY OUTDOOR ACTIVITIES IN WOODED, BRUSHY, OR GRASSYAREAS DURING THE INCUBATION PERIOD?									
Outdoor Activity 1		Describe Activity							
 Hiking, camping, picnicking Other recreational Occupational / non-recreational 		Location				Date (/mm/dd/yyyy)		
Occupational / non-recreational Outdoor Activity 2 Hiking, camping, picnicking Other recreational		Describe Activity							
		Location Date (mm/dd/yyyy)							
Occupational / non-recreat Outdoor Activity 3		Describe Activity							
 Hiking, camping, picnicking Other recreational Occupational / non-recreational 		Location		Date (Date (mm/dd/yyyy)				

			atient's last name:				
EXPOSURES/RISK FACTORS	- TICK BITE						
Tick bite during incubation period? □ Yes □ No □ Unknown	If Yes, describe	Date Noticed (mm/dd/yyyy)					
Where (county, habitat)?	Where (anatomic)?	Where (anatomic)? Approximate Dura					
NOTES / REMARKS							
REPORTING AGENCY							
Investigator Name	Local Health Jurisdiction	Telephone Number	Date (mm/dd/yyyy)				
Date First Reported to Public Health	(mm/dd/yyyy)	First Reported by	First Reported by				
		□ Clinician □ Laboratory □ Other	(specify):				
EPIDEMIOLOGICAL LINKAGE							
Epi-linked to known case? □ Yes □ No □ Unknown	Contact Name / Case Number						
DISEASE CASE CLASSIFICAT	ION						
Case Classification (see case definit	ion on page 5)						
□ Confirmed □ Probable □ Su	spected						
STATE USE ONLY							
State Case Classification □ Confirmed □ Probable □ Su	spected □Not a case □Need a	additional information					
	Specieu LINULA LASE LINEEU à						

First three letters of patient's last name:

CASE DEFINITION

LYME DISEASE (2022)

CLINICAL CRITERIA

An illness characterized by one of the following early or late-stage manifestations, as reported by a healthcare provider, and in the absence of another known etiology:

• *Erythema migrans (EM) rash.* For purposes of surveillance, EM is defined as a skin lesion (observed by a healthcare provider) that typically begins as a red macule or papule and expands over a period of days to weeks to form a large round lesion, often with partial central clearing. A single primary lesion must reach a size of ≥5 cm in diameter.

Note: Secondary lesions also may occur.

- Musculoskeletal system. Recurrent, brief attacks (weeks or months) of objective joint swelling in one or a few joints.
- Note: Objective joint swelling may sometimes be followed by chronic arthritis in one or a few joints.
 - Nervous system. Any of the following signs that cannot be explained by any other etiology, alone or in combination: lymphocytic meningitis; cranial neuritis, particularly facial palsy (unilateral or bilateral); radiculoneuropathy; or, rarely, encephalomyelitis.
 - Cardiovascular system. Acute onset of high-grade (2nd-degree or 3rd-degree) atrioventricular conduction defects that resolve in days to weeks.

Note: Atrioventricular conduction defects may sometimes be associated with myocarditis.

LABORATORY CRITERIA

For the purposes of surveillance, laboratory evidence includes:

Confirmatory laboratory evidence:

- 1. Isolation of B. burgdorferi sensu stricto or B. mayonii in culture, OR
- Detection of *B. burgdorferi* sensu stricto or *B. mayonii* in a clinical specimen by a *B. burgdorferi* group-specific nucleic acid amplification test (NAAT) assay, OR
- 3. Detection of B. burgdorferi group-specific antigens by immunohistochemical assay on biopsy or autopsy tissues, OR
- 4. Positive serologic tests¹ in a two-tier or equivalent format, including:
 - Standard two-tier test (STTT): a positive or equivocal first-tier screening assay, often an enzyme immunoassay [EIA] or immunofluorescence assay [IFA] for immunoglobulin M (IgM), immunoglobulin G (IgG), or a combination of immunoglobulins, followed by a concordant positive IgM² or IgG³ immunoblot interpreted according to established criteria, **OR**
 - b. Modified two-tier test (MTTT): positive or equivocal first-tier screen, followed by a different, sequential positive or equivocal EIA in lieu of an immunoblot as a second-tier test⁴.

Presumptive laboratory evidence:

1. Positive IgG immunoblot⁵, interpreted according to established criteria³, without positive or equivocal first-tier screening assay.

Note: The categorical labels used here to stratify laboratory evidence are intended to support the standardization of case classifications for public health surveillance. The categorical labels should not be used to interpret the utility or validity of any laboratory test methodology.

CRITERIA TO DISTINGUISH A NEW CASE FROM AN EXISTING CASE

A new case is one that has not been reported within the same calendar year (January through December).**

** Using calendar year allows case counting which more closely corresponds with the seasonality of Lyme disease than using a number of months between case reports.

(continued on page 6)

First three letters of patient's last name:

CASE DEFINITION (continued)

CASE CLASSIFICATION

Suspect

High-incidence jurisdictions (as defined in Case Classification Comments below)

A case that meets presumptive laboratory evidence.

- Low-incidence jurisdictions (as defined in Case Classification Comments below)
 - A case that meets confirmatory or presumptive laboratory criteria, but no clinical information is available, OR
 - A case of *erythema migrans* rash with no laboratory evidence of infection.

Probable

High-incidence jurisdictions (as defined in Case Classification Comments below)

• A case that meets confirmatory laboratory evidence.

Low-incidence jurisdictions (as defined in Case Classification Comments below)

• A clinically compatible case that meets presumptive laboratory criteria.

Confirmed

High-incidence jurisdictions (as defined in Case Classification Comments below)

N/A

Low-incidence jurisdictions (as defined in Case Classification Comments below)

• A clinically compatible case that meets confirmatory laboratory criteria.

Note: This CSTE case definition is intended solely for public health surveillance purposes and does not recommend diagnostic criteria for clinical partners to utilize in diagnosing patients with potential Lyme Disease.

CASE CLASSIFICATION COMMENTS

High-incidence jurisdictions are those that have had an average Lyme disease incidence of ≥10 confirmed cases/100,000 population for a period of three consecutive years. At the time of CSTE position statement 21-ID-05 (spring 2021), those jurisdictions were: Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia, Wisconsin, and the District of Columbia (http://www.cdc.gov/lyme/stats/tables.html).

Low-incidence jurisdictions are those that have not had an average Lyme disease incidence of ≥ 10 confirmed cases/100,000 population for a period of three consecutive years. Once ≥ 10 confirmed cases/100,000 population have been observed in a low-incidence jurisdiction for a period of three consecutive years, they become a high-incidence jurisdiction for the purposes of surveillance and should permanently switch reporting criteria.

For determining incidence for case classification and reporting purposes, calculations should be made at the state or territory level. Case classification for reporting should not be differentially applied at the subdivision level.

A clinically compatible case is defined as a case that meets the clinical criteria defined above.

First three letters of patient's last name:

RACE DESCRIPTION	IS						
Race	Descript	tion					
American Indian or Alask	a Native Patient h	as origins in any of the original peo	oples of North and South Ame	erica (including Central America).			
Asian	(e.g., inc	Patient has origins in any 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 America	n Patient h	Patient has origins in any of the black racial groups of Africa.					
Native Hawaiian or Othe	r Pacific Islander Patient h	Patient has origins in any of the original peoples of Hawaii, Guam, American Samoa, or other Pacific Islands.					
White	Patient h	Patient has origins in any of the original peoples of Europe, the Middle East, or North Africa.					
ASIAN GROUPS							
 Bangladeshi 	Filipino	 Japanese 	Maldivian	Sri Lankan			
Bhutanese	Hmong	Korean	 Nepalese 	Taiwanese			
Burmese	Indian	Laotian	Okinawan	• Thai			
 Cambodian 	 Indonesian 	Madagascar	 Pakistani 	Vietnamese			
Chinese	Iwo Jiman	 Malaysian 	Singaporean				
NATIVE HAWAIIAN A	AND OTHER PACIFIC ISLA	NDER GROUPS					
Carolinian	Kiribati	Micronesian	Pohnpeian	Tahitian			
Chamorro	Kosraean	Native Hawaiian	 Polynesian 	Tokelauan			
Chuukese	Mariana Islander	New Hebrides	Saipanese	Tongan			
 Fijian 	Marshallese	Palauan	Samoan	Yapese			
Guamanian	Melanesian	Papua New Guinean	Solomon Islander				

LYME DISEASE CASE REPORT

First three letters of

	patient's last name:					
OCCUPATION SETTING						
Childcare/Preschool	Homeless Shelter					
Correctional Facility	Laboratory					
Drug Treatment Center	Military Facility					
Food Service	Other Residential Facility					
Health Care - Acute Care Facility	Place of Worship					
Health Care - Long Term Care Facility	School					
Health Care - Other	• Other					
OCCUPATION						
Agriculture - farmworker or laborer (crop, nursery, or greenhouse)	Medical - medical assistant					
Agriculture - field worker	Medical - pharmacist					
Agriculture - migratory/seasonal worker	 Medical - physician assistant or nurse practitioner 					
Agriculture - other/unknown	Medical - physician or surgeon					
Animal - animal control worker	Medical - registered nurse					
Animal - farm worker or laborer (farm or ranch animals)	Medical - other/unknown					
Animal - veterinarian or other animal health practitioner	Military - officer					
Animal - other/unknown	Military - recruit or trainee					
Clerical, office, or sales worker	Protective service - police officer					
Correctional facility - employee	Protective service - other					
Correctional facility - inmate	 Professional, technical, or related profession 					
Craftsman, foreman, or operative	Retired					
Daycare or child care attendee	Sex worker					
Daycare or child care worker	 Student - preschool or kindergarten 					
Dentist or other dental health worker	 Student - elementary or middle school 					
Drug dealer	 Student - high (secondary) school 					
Fire fighting or prevention worker	Student - college or university					
Flight attendant	Student - other/unknown					
 Food service - cook or food preparation worker 	 Teacher/employee - preschool or kindergarten 					
Food service - host or hostess	 Teacher/employee - elementary or middle school 					
Food service - waiter or waitress	 Teacher/employee - high (secondary) school 					
Food service - other/unknown	 Teacher/instructor/employee - college or university 					
• Homemaker	 Teacher/instructor/employee - other/unknown 					

- · 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

· Unemployed - not seeking employment

· Unemployed - seeking employment

- · Unemployed other/unknown
- · Other
- Refused
- Unknown