

# LYME DISEASE CASE REPORT FORM

Form Approved  
OMB No. 0920-0009  
Expiration Date  
12-92

Patient's last name \_\_\_\_\_ First name \_\_\_\_\_ Tele.No. (\_\_\_\_) \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

Detach before sending to CDC

State \_\_\_\_\_ County \_\_\_\_\_ Zip \_\_\_\_\_

Age (yrs.) \_\_\_\_\_ Sex  M  F  Unspec. Race  Amer. Indian/Eskimo  Asian/Pacific Isl.  Black  White  Unknown Ethnicity  Hispanic  Non Hisp.  Unknown

## SYMPTOMS AND SIGNS OF CURRENT EPISODE (PLEASE MARK EACH QUESTION):

### DERMATOLOGIC:

Erythema migrans (physician diagnosed EM at least 5 cm in diameter)? \_\_\_\_\_  [Y]  [N]  [?]

### RHEUMATOLOGIC:

Arthritis characterized by brief attacks of joint swelling? \_\_\_\_\_  [Y]  [N]  [?]

### NEUROLOGIC:

Bell's palsy or other cranial neuritis? \_\_\_\_\_  [Y]  [N]  [?]

Radiculoneuropathy? \_\_\_\_\_  [Y]  [N]  [?]

Lymphocytic meningitis? \_\_\_\_\_  [Y]  [N]  [?]

Encephalitis/Encephalomyelitis? \_\_\_\_\_  [Y]  [N]  [?]

CSF tested for antibodies to B. burgdorferi? \_\_\_\_\_  [Y]  [N]  [?]

Antibody to B. burgdorferi higher in CSF than serum? \_\_\_\_\_  [Y]  [N]  [?]

### CARDIOLOGIC:

2nd or 3rd degree atrioventricular block? \_\_\_\_\_  [Y]  [N]  [?]

Other clinical: \_\_\_\_\_

Date of onset of first symptoms:   /  /   mo dy yr Date of diagnosis:   /  /   mo dy yr Date of report to health agency   /  /   mo dy yr

## OTHER HISTORY

Was the patient hospitalized for the current episode? \_\_\_\_\_  [Y]  [N]  [?]

Name of antibiotic(s) used this episode? \_\_\_\_\_ Use in days \_\_\_\_\_

Was the patient pregnant at the time of illness? \_\_\_\_\_  [Y]  [N]  [?]

Where was the patient most likely exposed? County \_\_\_\_\_ State \_\_\_\_\_

## LABORATORY RESULTS

	Positive	Negative	Equivocal	Not done/Unknown
Serologic test results:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culture results:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Physician's name \_\_\_\_\_ Person completing form \_\_\_\_\_  
(if not the same)

Address \_\_\_\_\_ Address \_\_\_\_\_

Telephone Number (\_\_\_\_) \_\_\_\_\_ Telephone Number (\_\_\_\_) \_\_\_\_\_

## FOR INTERNAL USE ONLY

State ID No.

CDC ID No.

Date Reported to CDC   /  /   mo dy yr

LYME DISEASE CASE REPORT FORM  
CDC 52.60 REV. 1-91

This report is authorized by law (Public Health Service Act, 42 USC 241). While your response is voluntary, your cooperation is necessary for the understanding and control of this public health problem. Public reporting burden for this collection of information is estimated to average 10 minutes per response. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to PHS Reports Clearance Officer; ATTN: PRA; Hubert H. Humphrey Bldg., Rm 721-B; 200 Independence Ave., SW; Washington, DC 20201, and to the Office of Management and Budget; Paperwork Reduction Project (0920-0009); Washington, DC 20503.

CDC 52.60 REV. 1-91

# LYME DISEASE NATIONAL SURVEILLANCE CASE DEFINITION

Lyme disease is a systemic, tick-borne disease with protean manifestations, including dermatologic, rheumatologic, neurologic, and cardiac abnormalities. The best clinical marker for the disease is the initial skin lesion, erythema migrans (EM), that occurs in 60% to 80% of patients.

**A case of Lyme disease is defined as follows:**

1. A person with erythema migrans; or
2. A person with at least one late manifestation and laboratory confirmation of infection.

*NOTE: It should be emphasized that is an epidemiologic case definition intended for surveillance purposes only.*

**General clinical epidemiologic definitions:**

**1. Erythema migrans (EM):**

For purposes of surveillance, EM is a skin lesion that typically begins as a red macule or papule and expands over a period of days or weeks to form a large round lesion, often with partial central clearing. A solitary lesion must reach at least 5 cm in size. Secondary lesions may also occur. Annular erythematous lesions occurring within several hours of a tick bite represent hypersensitivity reactions and do not qualify as EM. In most patients, the expanding EM lesion is accompanied by other acute symptoms, particularly fatigue, fever, headache, mild stiff neck, arthralgias, or myalgias. These symptoms are typically intermittent. The diagnosis of EM must be made by a physician. Laboratory confirmation is recommended for persons with no known exposure.

**2. Late manifestations:**

These include any of the following when an alternate explanation is not found.

**a. Musculoskeletal system:**

Recurrent, brief attacks (weeks or months) of objective joint swelling in one or a few joints sometimes followed by chronic arthritis in one or a few joints. Manifestations not considered as criteria for diagnosis include chronic progressive arthritis not preceded by brief attacks and chronic symmetrical polyarthritis. Additionally, arthralgias, myalgias, or fibromyalgia syndromes alone are not accepted as criteria for musculoskeletal involvement.

**b. Nervous system:**

Lymphocytic meningitis, cranial neuritis, particularly facial palsy (may be bilateral), radiculoneuropathy or rarely, encephalomyelitis alone or combination. Encephalomyelitis must be confirmed by showing antibody production against *B. burgdorferi* in the cerebrospinal fluid (CSF), demonstrated by a higher titer of antibody in CSF than in serum. Headache, fatigue, paresthesias, or mild stiff neck alone are not accepted as criteria for neurologic involvement.

**c. Cardiovascular system:**

Acute onset, high grade (2nd or 3rd degree) atrioventricular conduction defects that resolve in days to weeks and are sometimes associated with myocarditis. Palpitations, bradycardia, bundle branch block, or myocarditis alone are not accepted as criteria for cardiovascular involvement.

**3. Exposure:**

Exposure is defined as having been in wooded, brushy, or grassy areas (potential tick habitats) in an endemic county no more than 30 days prior to the onset of EM. A history of tick bite is not required.

**4. Endemic county:**

An endemic county is one in which at least 2 definite cases have been previously acquired or a county in which a tick vector has been shown to be infected with *B. burgdorferi*.

**5. Laboratory confirmation:**

Laboratory confirmation of infection with *B. burgdorferi* is established when a laboratory isolates the spirochete from tissue or body fluid, detects diagnostic levels of IgM or IgG antibodies to the spirochete in serum or CSF, or detects a significant change in antibody levels in paired acute and convalescent serum samples. States may determine the criteria for laboratory confirmation and diagnostic levels of antibody. Syphilis and other known causes of biologic false positive serologic test results should be excluded, as appropriate, when laboratory confirmation has been based on serologic testing alone.