

## Free-Living Amebic Infections Investigation Checklist for Local Health Departments

Local health department staff should follow these steps, not necessarily always in order, when investigating reports of free-living amebic infections. For more detailed information refer to the free-living amebic infections Disease Chapter. Free-living amebic infections are a Priority Level 1 disease and critical details should be entered into the Communicable Disease Reporting and Surveillance System (CDRSS) within 6 hours.

- Review laboratory details to confirm the test result. If the case has not been submitted via CDRSS, create a case.
- Interview the case-patient (parent/guardian if case patient is a minor) via phone using the “Free Living Ameba (FLA) Case Report Form”. Do not fax the form to the physician or mail to the case-patient for completion.
- Provide education to the case-patient; additional information can be found on the NJDOH and CDC disease pages.
- Enter critical details (demographics, signs/symptoms, clinical status, additional laboratory information) into the CDRSS case.
- Enter relevant exposures (recreational water exposures and activities, nasal irrigation, soil exposures) into the *Sources of Infection and Risk Factors* section within the CDRSS case.
- Inform the Foodborne and Waterborne Disease Unit at [cds.fwd.epi@doh.nj.gov](mailto:cds.fwd.epi@doh.nj.gov) if an outbreak is suspected.
- Submit the completed “Free Living Ameba (FLA) Case Report Form” via email to the Foodborne and Waterborne Disease Unit at [cds.fwd.epi@doh.nj.gov](mailto:cds.fwd.epi@doh.nj.gov) or fax to 609-826-5972 or 609-292-5811.
- Document dates/times of at least three attempts made to reach the case-patient, parent or guardian into the *Comments* section within CDRSS if they remain unreachable.
- Determine *Case Status* based on [NNDSS case definitions](#) and mark *Report Status* as “LHD CLOSED” in CDRSS.



# Free Living Ameba (FLA) Case Report Form

\*=required field

FORM APPROVED  
OMB NO. 0920-0728

\*Year of Diagnosis: \_\_\_\_\_

\*Pathogen Type:  Acanthamoeba  Balamuthia  Naegleria fowleri

## 1. Demographics

Patient's Name (Last, First M.I.): \_\_\_\_\_ Age (in years): \_\_\_\_\_

<b>Sex:</b> <input type="checkbox"/> Male <input type="checkbox"/> Female	<b>Ethnicity:</b> <input type="checkbox"/> Hispanic <input type="checkbox"/> Non-Hispanic <input type="checkbox"/> Unknown	<b>Race:</b> <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> Asian <input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Middle Eastern or North African <input type="checkbox"/> Unknown <input type="checkbox"/> Other: _____
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\*County/State of Residence: \_\_\_\_\_

County/State of Treatment: \_\_\_\_\_

## 2. Exposure History

County/State of Suspected Exposure: \_\_\_\_\_

Source of possible exposure, if known (please check all that apply and provide best estimates of dates):

### Recreational Water Exposures

Did patient have any recreational water exposures?  Yes  No  Unknown

Name of Water Exposure: \_\_\_\_\_

Type of Recreational Water Exposure	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	Date Exposed
Lake, pond, reservoir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
River/stream	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Canal, ditch, or puddle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tap water used in temporary venue (ex. fill-and-drain pool)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Aquatic venue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Geothermally heated water (ex. hot spring)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ocean or brackish water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other recreational water exposure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Specify other recreational water exposure: _____				

If aquatic venue water exposure occurred, please select specific types of venues:				
Public swimming pool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Home swimming pool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Waterpark	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Splash pad	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hot tub/spa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Recreational Water Activities

Did patient participate in any recreational water activities?  Yes  No  Unknown

Type of Recreational Water Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water sports (i.e. tubing, skiing, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Swimming, diving, or splashing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other water activity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specify other water activity: _____			

## Nasal Irrigation

Did patient perform nasal irrigation/rinsing?  Yes  No  Unknown

What water source was used for nasal irrigation? (select all that apply)

Tap water  Sterilized water  Unknown  Other, specify: \_\_\_\_\_

Was nasal irrigation performed for ritual or spiritual ablution?  Yes  No  Unknown

Date of most recent nasal irrigation: \_\_\_\_\_

What method(s) did patient use for nasal irrigation?

Nasal Irrigation Methods				Date Exposed
Netipot	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Squeeze bottle	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Other nasal irrigation method Specify: _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	

## Soil Exposures

Did patient have any soil exposures?  Yes  No  Unknown

Soil Exposures				Date Exposed
Gardening	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Composting	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Farm or ranch exposure	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
Other soil exposure at another location or source Specify: _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	

What is the patient's occupation? \_\_\_\_\_

Did the patient travel within the last 2 years?  Yes  No  Unknown

If YES, please provide travel locations and dates (maximum of 3 travel locations):

Country	State	City	Travel From Date	Travel To Date

## 3. Past Medical History

Please check all conditions/symptoms that patient has currently or has had within past two (2) years:

Illicit drug use If YES, specify: _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Immunosuppressants	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Radiation Therapy	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Steroid use	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Alcohol misuse	<input type="checkbox"/> Yes	<input type="checkbox"/> No
History of HIV or AIDS If YES, CD4 count (per mm3): _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Malnourishment	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Renal failure	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Systemic Lupus Erythematosus (SLE)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Diabetes mellitus	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Liver cirrhosis	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Pregnancy (recent)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Cancer If <b>YES</b> , specify: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hematologic disease If <b>YES</b> , specify: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other autoimmune disease If <b>YES</b> , specify: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
Solid organ transplant If <b>YES</b> , specify: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bone marrow or stem cell transplant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Chronic or Acute Sinusitis	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other ENT condition If <b>YES</b> , specify: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other respiratory condition If <b>YES</b> , specify: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
Dermatitis	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other condition If <b>YES</b> , specify: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No

**4. Current Illness and History**

Date of illness onset (MM/DD/YYYY): \_\_\_\_\_

Was patient admitted to hospital for current illness?  Yes  No  Unknown

If **YES**, date of most recent hospitalization (MM/DD/YYYY): \_\_\_\_\_

If **YES**, has the patient been hospitalized more than once for this illness in the past 90 days:  Yes  No  Unknown

Please provide a brief description of the patient's clinical course, prior to hospitalization:

**5. Outcome**

Patient Outcome:  Died  Survived  Unknown

Date of discharge (MM/DD/YYYY): \_\_\_\_\_ OR Date of death (MM/DD/YYYY): \_\_\_\_\_

If **survived**, does the patient have residual neurologic deficits?  Yes  No  Unknown

If **YES**, please describe neurological deficits: \_\_\_\_\_

If **died**, cause of death (select all that apply):  Brain death  Cardiorespiratory failure  Herniation  Removed life support

Other, specify: \_\_\_\_\_

If **died**, was the patient an organ donor?  Yes  No  Unknown

If **YES**, please specify which organs were transplanted: \_\_\_\_\_

Please provide a brief description of the patient's clinical course, complications, and any additional comments:

## 6. Signs/Symptoms

### General

**Onset date of first general sign/symptom (MM/DD/YYYY):** \_\_\_\_\_

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Anorexia                    | <input type="checkbox"/> Lethargy/fatigue    | <input type="checkbox"/> Any visual signs/symptoms (such as blurred vision or diplopia) |
| <input type="checkbox"/> Back pain                   | <input type="checkbox"/> Myalgia             | <input type="checkbox"/> Photophobia  |
| <input type="checkbox"/> Cough                       | <input type="checkbox"/> Nausea or vomiting  | <input type="checkbox"/> Other general sign/symptom, specify: _____                     |
| <input type="checkbox"/> Disorientation or confusion | <input type="checkbox"/> Shortness of breath |   |
| <input type="checkbox"/> Fever                       | <input type="checkbox"/> Stiff neck          |   |
| <input type="checkbox"/> Headache                    | <input type="checkbox"/> Weight loss         |   |

### Neurologic

**Onset date of first neurological sign/symptom (MM/DD/YYYY):** \_\_\_\_\_

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Abnormal reflexes, including hyperreflexia | <input type="checkbox"/> Behavioral change                         | <input type="checkbox"/> Hemiparesis                              |
| <input type="checkbox"/> Altered mental status                      | <input type="checkbox"/> Coma                                      | <input type="checkbox"/> Numbness                                 |
| <input type="checkbox"/> Altered sense of smell                     | <input type="checkbox"/> Any cranial nerve deficit, specify: _____ | <input type="checkbox"/> Nystagmus                                |
| <input type="checkbox"/> Altered sense of taste                     |  | <input type="checkbox"/> Seizures                                 |
| <input type="checkbox"/> Aphasia                                    | <input type="checkbox"/> Dysphagia                                 | <input type="checkbox"/> Weakness                                 |
| <input type="checkbox"/> Ataxia or loss of balance                  | <input type="checkbox"/> Hallucinations                            | <input type="checkbox"/> Other neurologic deficit, specify: _____ |

### Skin Lesions

**Skin Lesions Present:**  Yes  No  Unknown

**If YES, please specify in table below:**

Lesion Type	Present?	Anatomic location (select all that apply)	Number
<b>Ulcers</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Head/face/neck <input type="checkbox"/> Upper extremities <input type="checkbox"/> Back/chest/abdomen/pelvis <input type="checkbox"/> Lower extremities	<input type="checkbox"/> 1 <input type="checkbox"/> 2-5 <input type="checkbox"/> 6-10 <input type="checkbox"/> 10+
<b>Plaques</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Head/face/neck <input type="checkbox"/> Upper extremities <input type="checkbox"/> Back/chest/abdomen/pelvis <input type="checkbox"/> Lower extremities	<input type="checkbox"/> 1 <input type="checkbox"/> 2-5 <input type="checkbox"/> 6-10 <input type="checkbox"/> 10+
<b>Erythematous Nodules</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Head/face/neck <input type="checkbox"/> Upper extremities <input type="checkbox"/> Back/chest/abdomen/pelvis <input type="checkbox"/> Lower extremities	<input type="checkbox"/> 1 <input type="checkbox"/> 2-5 <input type="checkbox"/> 6-10 <input type="checkbox"/> 10+
<b>Other</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Head/face/neck <input type="checkbox"/> Upper extremities <input type="checkbox"/> Back/chest/abdomen/pelvis <input type="checkbox"/> Lower extremities	<input type="checkbox"/> 1 <input type="checkbox"/> 2-5 <input type="checkbox"/> 6-10 <input type="checkbox"/> 10+

## 7a. CSF Lab Results

**General CSF Testing: (Note: If needed, >3 CSF testing results can be entered into the FLA CRF in the SEDRIC platform)**

	Date (MM/DD/YYYY):	Date (MM/DD/YYYY):	Date (MM/DD/YYYY):
CSF	Results	Results	Results
Opening pressure (mmH2O)			
WBC count (per mm3)			
RBC count (per mm3)			
Neutrophil %			
Monocyte %			
Lymphocyte %			
Bands %			
Eosinophil %			
Protein (mg/100ml)			
Glucose (mg/100ml)			

## 7b. Diagnostic Imaging

Was diagnostic imaging performed?  Yes  No  Unknown

If YES, what imaging was performed? (select all that apply)

CT  MRI  Other  Unknown (do not select in combination with CT, MRI, or Other)

If Other, specify other type of imaging performed: \_\_\_\_\_

Which of the following findings were present? (select all that apply)

Normal  Cerebral edema  Hydrocephalus  
 Brain lesions  Leptomeningeal enhancement  Other, specify: \_\_\_\_\_

If YES to brain lesions:

How many brain lesions?  Single  Multiple  Unknown

Were brain lesions ring-enhancing?  Yes  No  Unknown

Were brain lesions hemorrhagic?  Yes  No  Unknown

Location of brain lesions: \_\_\_\_\_

## Timing of Diagnosis

When was a laboratory diagnosis of a free-living ameba infection made? (MM/DD/YYYY): \_\_\_\_\_

Genotype: \_\_\_\_\_ Species: \_\_\_\_\_

## 7c. Specimen Lab Results

Please provide results for all testing performed.

Note: If needed, >3 specimen lab results can be entered into the FLA CRF in the SEDRIC platform.

### Specimen Collection Information

Laboratory	Result	If Positive, Pathogen	Tissue Type	Test Method
<input type="checkbox"/> CDC <input type="checkbox"/> Mayo Clinic <input type="checkbox"/> UWASH <input type="checkbox"/> UCSF <input type="checkbox"/> Karius <input type="checkbox"/> Other, specify: _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown	<input type="checkbox"/> Acanthamoeba <input type="checkbox"/> Balamuthia <input type="checkbox"/> Naegleria fowleri	<input type="checkbox"/> CSF <input type="checkbox"/> Brain <input type="checkbox"/> Skin <input type="checkbox"/> Sinus <input type="checkbox"/> Bone <input type="checkbox"/> Lung <input type="checkbox"/> Eye <input type="checkbox"/> Serum/Blood <input type="checkbox"/> Other, specify: _____	<input type="checkbox"/> Polymerase chain reaction (PCR) <input type="checkbox"/> Indirect immunofluorescence (IIF) <input type="checkbox"/> Immunohistochemistry (IHC) <input type="checkbox"/> Visualized amebas on wet mount or stained CSF <input type="checkbox"/> Sequencing based testing (e.g. Karius or metagenomics) <input type="checkbox"/> Histopathology <input type="checkbox"/> Other, specify: _____
<input type="checkbox"/> CDC <input type="checkbox"/> Mayo Clinic <input type="checkbox"/> UWASH <input type="checkbox"/> UCSF <input type="checkbox"/> Karius <input type="checkbox"/> Other, specify: _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown	<input type="checkbox"/> Acanthamoeba <input type="checkbox"/> Balamuthia <input type="checkbox"/> Naegleria fowleri	<input type="checkbox"/> CSF <input type="checkbox"/> Brain <input type="checkbox"/> Skin <input type="checkbox"/> Sinus <input type="checkbox"/> Bone <input type="checkbox"/> Lung <input type="checkbox"/> Eye <input type="checkbox"/> Serum/Blood <input type="checkbox"/> Other, specify: _____	<input type="checkbox"/> Polymerase chain reaction (PCR) <input type="checkbox"/> Indirect immunofluorescence (IIF) <input type="checkbox"/> Immunohistochemistry (IHC) <input type="checkbox"/> Visualized amebas on wet mount or stained CSF <input type="checkbox"/> Sequencing based testing (e.g. Karius or metagenomics) <input type="checkbox"/> Histopathology <input type="checkbox"/> Other, specify: _____
<input type="checkbox"/> CDC <input type="checkbox"/> Mayo Clinic <input type="checkbox"/> UWASH <input type="checkbox"/> UCSF <input type="checkbox"/> Karius <input type="checkbox"/> Other, specify: _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown	<input type="checkbox"/> Acanthamoeba <input type="checkbox"/> Balamuthia <input type="checkbox"/> Naegleria fowleri	<input type="checkbox"/> CSF <input type="checkbox"/> Brain <input type="checkbox"/> Skin <input type="checkbox"/> Sinus <input type="checkbox"/> Bone <input type="checkbox"/> Lung <input type="checkbox"/> Eye <input type="checkbox"/> Serum/Blood <input type="checkbox"/> Other, specify: _____	<input type="checkbox"/> Polymerase chain reaction (PCR) <input type="checkbox"/> Indirect immunofluorescence (IIF) <input type="checkbox"/> Immunohistochemistry (IHC) <input type="checkbox"/> Visualized amebas on wet mount or stained CSF <input type="checkbox"/> Sequencing based testing (e.g. Karius or metagenomics) <input type="checkbox"/> Histopathology <input type="checkbox"/> Other, specify: _____

## 7d. Case Attachments

If available, please upload relevant files to the CRF in the SEDRIC platform. For each file, please select the appropriate category below:

- Image report                       Published case report/scientific article  
 Environmental report             Other, specify: \_\_\_\_\_

## 8a. Treatment

Was Surgical resection performed?       Yes       No       Unknown

## 8b. Medications

Medications: (please check all that apply; enter all dates as MM/DD/YYYY)

Medication	Start Date	End Date	Route of Administration (select all that apply)	
<input type="checkbox"/> Amphotericin B (conventional/deoxycholate)			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Amphotericin B (lipid complex)			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Amphotericin B (liposomal)			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Azithromycin			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Clarithromycin			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Fluconazole			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Flucytosine			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Itraconazole			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Miltefosine			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Nitroxoline			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Pentamidine			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Rifampin			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Steroids			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Sulfadiazine			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Sulfamethoxazole/Trimethoprim			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Voriconazole			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Other antimicrobial drug used to treat FLA infection: _____			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Other antimicrobial drug used to treat FLA infection: _____			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____
<input type="checkbox"/> Other antimicrobial drug used to treat FLA infection: _____			<input type="checkbox"/> Intravenous (IV) <input type="checkbox"/> Intrathecal	<input type="checkbox"/> Oral <input type="checkbox"/> Other: _____

Note: If needed, >3 other antimicrobial drugs can be entered into the FLA CRF in the SEDRIC platform.