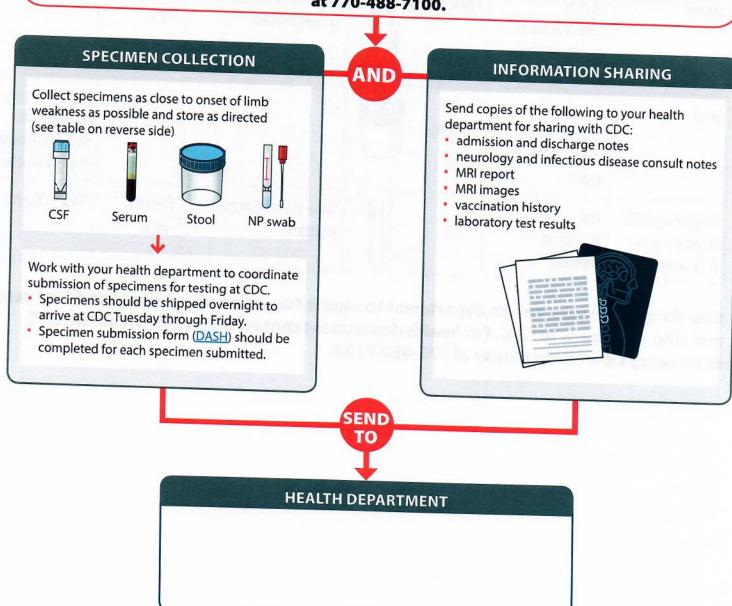
Job Aid for Clinicians

How to send information about a suspected AFM case to the health department

Identify suspected case of AFM: patient with onset of acute flaccid limb weakness

Contact your health department when you identify a suspected case of AFM.

For health department contact information, call the CDC Emergency Operations Center at 770-488-7100.



Health department completes <u>AFM Patient Summary Form</u>, compiles medical records, and sends information to CDC. Patient will be classified by national AFM experts.

After expert review, patient classification is given back to health department and relayed to clinician by health department.

Specimens to collect and send to CDC for testing for suspected AFM cases

SAMPLE	AMOUNT	TUBE TYPE	PROCESSING	STORAGE	SHIPPING	
CSF	1mL (collect at same time or within 24hrs of serum)	Cryovial	Spun and CSF removed to cryovial	Freeze at -20°C	Ship on dry ice	
Serum	≥0.4mL (collect at same time or within 24 hours of CSF)	Tiger/red top	Spun and serum removed to tiger/red top.	Freeze at -20°C	Ship on dry ice	
Stool	≥1 gram (2 samples collected 24hrs apart) Sterile container		n/a	Freeze at -20°C	Ship on dry ice. Rectal swabs should not be sen in place of stool.	
Respiratory (NP)/ Oropharyngeal (OP) swab	1ml (minimum amount)	n/a	Store in viral transport medium	Freeze at -20°C	Ship on dry ice	

Coordinate with your health department to send information about suspected AFM cases and ship specimens to CDC. For health department contact information, call the CDC Emergency Operations Center at 770-488-7100.

National Center for Immunization and Respiratory Diseases (NCIRD) Division of Viral Diseases



GUAM PUBLIC HEALTH LABORATORY DEPARTMENT OF PUBLIC HEALTH AND SOCIAL SERVICES 123 Chalan Kareta, Mangilao, GUAM 96913 Telephone: (671) 735-7158/7141

GPHL LABORATORY NUMBER

DATE RECEIVED

(PLEASE PRINT LEGIBI	LY)								
ORDERING/PRIMARY P	PHYSICIAN:		I. PATIENT IDENTIF	FICATION	1				
			LAST NAME			FIRST NAME AND MIDDLE INITIAL			
ADDRESS:						THE TWINE P	IND MIDDLE	. HALLIAL	
Street:									
City:	State:	RESIDENT ADDRESS	al place of res	idence Street, Cit	ence Street, City, Zip Code)				
Country:	Zip Code:		Street:						
Phone No.:									
SUBMITTING LABORAT	ORY:		City:			Zip Code:			
						Zip Code;			
ADDRESS:									
Street:			PHONE NO.:	-					
City:	State:								
Country:	Zip Code:		OCCUPATION RACE			DATE OF BIRTH SEX			
Phone No.:									
CLINICAL DIAGNOSIS			DATE OF ONSET		LABORATOR	Y EXAMINATION	PEOUESTE		
						T ESS WHITSTER	TEGOLOTE	2	
CATEGORY OF AGENT S	SUSPECTED		CDCCICIO A OCUT DU						
			SPECIFIC AGENT SUS	SPECTE)		10,100		
II CDECIMEN DISCOUR									
II. SPECIMEN INFORMA 1. SOURCE OF SPECIME	ATION	D				III. CLINIC HIS	TORY		
HUMAN		4. SEROLOGY PURE ISOL	OF SPECIMEN			1. CLINICAL SIGNS AND SYMPTOMS			
OTHER (Specify):					FEVER				
		MIXED CULTURE			☐ EXANTHEMA (Specify Type):				
2. ORIGINAL MATERIAL	OTHER (Spe							, poj.	
*TYPE OF SPECIMEN:			INAL CULTURE:		RESPIRATORY SIGNS:				
THE OF SPECIMEN:		PRIMARY ISOL		1507-5					
DATE OF COLLECTION	Al.	COLLECTON S	ITE OF ORIGINAL SPECIMEN:						
	14.						☐ CENTRAL NERVOUS SYSTEM INVOLVEMENT		
	DATE OF CUI								
TRANSPORT MEDIUM:	TRANSPORT MEDIUM: USED:		URE SUBMITTED AND TRANSPORT MEDIUM			☐ GASTROINTESTINAL INVOLVEMENT:			
						l ———			
		SUSPECTED ID	ENTIFICATION:			ADDITIONAL			
SPECIFI SHE OF COLLECTION					2. ADDITIONAL INFORMATION TRAVEL HISTORY:				
3. SEROLOGY OF SPECIA	ΛEN .	OTHER ORGAN	IISMS FOUND:			THE THE PARTY OF T			
COLLECTION DATE:									
	☐ ACUTE (S1): OTHER INFORM		The state of the s						
CONVALESCENT (S	2):					IMMUNIZATION:	3:		
☐ \$3:						C manufacture of the control of the			
☐ \$4:		I				7 <u></u>			
						ANTIBIOTIC THE	DADY.		
OTHER (Specify):						ANTIBIOTIC THE	:RAPT:		
						l ———			
DEPARTMENT OF PUBLIC	HEALTH AND SOCIAL SI	ERVICES BCDC GP	HL USE ONLY			2 DDEMINION	Donisa		
		e sipulated his communication of the communication				INFORMATION	BORATOR'	Y RESULTS/OTHER	
							•		
ATE OF REPORT:									
ORM CPHI									
PHSS_FRM_05/18/16									

FOR LOCAL USE ONLY Name of person completing form: Phone: Affiliation Phone: Name of physician who can provide additional clinical/lab information, if needed Affiliation Phone: Name of main hospital that provided patient's care:			_ State a	assigned patient ID:				
Name of physician who can provide additional clinical/lab information, if needed			_ State a	assigned patient ID:				
Name of physician who can provide additional clinical/lab information, if needed			Ni. <u>44</u> 000000					
in deged			riiolie, re-ii					
Affiliation								
Filone:			E-	mail.				
Name of main hospital that provided patient's care:				maii:	Esti occupii			
DETACH and transmit only lower portion to	to limbur			State: C	ounty:			
A such a Flancisco Politica III	O <u>IIIIIBW</u>	eakness	ocdc.gov	if sending to CDC				
Acute Flaccid Myelitis						Form Approv		
Please send the following information along with the patient sum		(-				OMB No. 0920-00 Exp Date: 06/30/20		
						Miller Landson		
☐ Infectious disease consult notes (if available) ☐ Vaccination re	cord	□ Dia	anostic	laboratoru roma	report (if done)			
Today's data / /		L Diag	griostic	парогатогу геро	rts			
. Today's date/ (mm/dd/yyyy) 2. State a	assigned	patient	ID:	Major 1 Toron				
Residence	e: 5 . Sta	ite	6.	County	C HARTE IN			
. Nace. Li American Indian or Alaska Native Asian Black or Afri	ican Am	erican						
□Native Hawaiian or Other Pacific Islander □White (check	all that	annly		8. Ethnicity: DH				
Date of onset of limb weakness// (mm/dd/yyyy)	an enac	чрріу		⊔Not	Hispanic or Latino			
0. Was patient admitted to a hospital? Type The Thirty addyyyyy								
0. Was patient admitted to a hospital? □yes □no □unknown 11	Date o	f admiss	sion to f	irst hospital	/			
(or still he	ospitaliz	ed at ti	me of fo	orm submission)				
3. Did the patient die from this illness? \Box yes \Box no \Box unknown 14	If yes,	, date of	f death_					
SIGNS/SYMPTOMS/CONDITION:								
	Right Arm Left Arm Right Le			Right Leg	Left Leg			
15. Weakness? [indicate yes(y), no (n), unknown (u) for each limb]			U	Y N U				
This called interest stages as set to me within no order amount of the second		Delegated Section 1			Y N U	Y N L ☐ flaccid		
15a. Tone in affected limb(s) [flaccid, spastic, normal for each limb]	☐ spastic		☐ spastic	spastic	spastic			
		normal		normal	normal	normal		
		unknown		unknown	unknown	unknown		
.6. Was patient admitted to ICU?	Yes	No	Unk					
				17. If yes, admi	t date: <i></i> /	/		
n the 4-weeks BEFORE onset of limb weakness, did patient:	Yes	No	Unk					
8. Have a respiratory illness?				19. If yes onset	date /	,		
10. Have a gastrointestinal illness (e.g., diarrhea or vomiting)?				19. If yes, onset date//				
22. Have a fever, measured by parent or provider ≥38.0°C/100.4°F? 24. Travel outside the US?				23. If yes, onset		/		
		+		25. If yes, list co				
6. At onset of limb weakness, does patient have any underlying								
Inesses?		1		27. If yes, list:				
			-		THE STATE OF THE S			
her patient information:								
Wee NADI - f - 1 I I -	20 IF	ves. dat	e of spi	ne MRI:/	1			
. Was MRI of spinal cord performed? ☐ yes ☐ no ☐ unknown	25. 11		- c. cp.					
. Was MRI of spinal cord performed? ☐ yes ☐ no ☐ unknown . Was MRI of brain performed? ☐ yes ☐ no ☐ unknown	31. If	yes, dat	e of bra	in MRI:				
. Was MRI of brain performed? ☐ yes ☐ no ☐ unknown	31. If	yes, dat	e of bra	in MRI:				
Weeken Chicken	31. If	yes, dat	e of bra	in MRI:/_]			

Public reporting burden of this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74 Atlanta, Georgia 30333.

lymphocytes

%

monocytes

%

eosinophils

%

neutrophils

32a. CSF from LP1 32b. CSF from LP2 lumbar

puncture

WBC/mm³

Glucose

mg/dl

RBC/mm³

Protein

mg/dl

Acute Flaccid Myelitis Outcome – 60-day follow-up (completed at least 60 days after onset of limb weakne	ess)
33. Date of 60-day follow-up:// (mm/dd/yyyy)	
34. Sites of Paralysis: Spinal Bulbar Spino-bulbar 35. Specific sites:	
36. 60-day residual: ☐ None ☐ Minor (any minor involvement) ☐ Significant (≤2 extremities, major involvement) ☐ Severe (≥3 extremities and respiratory involvement) ☐ Death ☐ Unknown	
37. Date of death:/ (mm/dd/yyyy)	
Acute Flaccid Myelitis case definition (http://c.ymcdn.com/sites/www.cste.org/resource/resmgr/2017PS/2017PSFin al/17-ID-01.pdf)	
Clinical Criteria An illness with onset of acute flaccid limb weakness	
an intess with offset of acute flaccid limb weakness	
Laboratory Criteria	
 Confirmatory Laboratory Evidence: a magnetic resonance image (MRI) showing spinal cord lesion largely restried matter*† and spanning one or more vertebral segments 	cted to gray
 Supportive Laboratory Evidence: cerebrospinal fluid (CSF) with pleocytosis (white blood cell count >5 cells/mm 	13)

Case Classification

Confirmed:

- Clinically compatible case AND
- Confirmatory laboratory evidence: MRI showing spinal cord lesion largely restricted to gray matter*† and spanning one or more spinal segments

Probable:

- Clinically compatible case AND
- Supportive laboratory evidence: CSF showing pleocytosis (white blood cell count >5 cells/mm³).
- * Spinal cord lesions may not be present on initial MRI; a negative or normal MRI performed within the first 72 hours after onset of limb weakness does not rule out AFM. MRI studies performed 72 hours or more after onset should also be reviewed if available.
- † Terms in the spinal cord MRI report such as "affecting mostly gray matter," "affecting the anterior horn or anterior horn cells," "affecting the central cord," "anterior myelitis," or "poliomyelitis" would all be consistent with this terminology.

 Comment

To provide consistency in case classification, review of case information and assignment of final case classification for all suspected AFM cases will be done by experts in national AFM surveillance. This is similar to the review required for final classification of paralytic polio cases.

Acute Flaccid Myelitis specimen collection information

(https://www.cdc.gov/acute-flaccid-myelitis/hcp/instructions.html)

Acute Flaccid Myelitis job aid

(https://www.cdc.gov/acute-flaccid-myelitis/downloads/job-aid-for-clinicians.pdf)

Public reporting burden of this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74 Atlanta, Georgia 30333.

Page 2 of 2

Instructions for Completing the AFM Patient Summary Form

GENERAL. Clinicians should remain vigilant and send information to their state or local health department for all patients with acute onset of neurologic illness associated with limb weakness that meet the clinical criteria for AFM (as highlighted on page 3).

- a. Clinicians should send information about patients who meet the clinical criteria regardless of any laboratory and MRI results.
- b. The AFM Patient Summary Form should be completed by the state or local health department, in conjunction with a clinician who provided care to the patient during the neurologic illness.

CDC requests that state health departments send the Patient Summary Form, along with additional clinical information, to CDC for case classification and to help monitor these cases at the national level. AFM neurology experts will classify suspect cases of AFM according to the Council of State and Territorial Epidemiologists (CSTE) AFM case definition using the requested clinical information: admission and discharge notes, MRI report, MRI images, neurology consult notes, infectious disease consult notes, vaccination record, diagnostic laboratory results, and EMG report if done and available. When sending this information, please indicate the information included with the Patient Summary Form in the box at the top of

Demographics

- 1. TODAY'S DATE. Date that completion of the patient summary form is initiated.
- 2. STATE ASSIGNED ID. Alpha/numeric
- 3. SEX. Indicate whether the case-patient is male or female.
- 4. DATE OF BIRTH. Case-patient birth date.
- 5. **RESIDENCE.** State in which case-patient resides.
- 6. COUNTY. County in which case-patient resides.
- 7. RACE. Self-reported race of case-patient; more than one option may be reported.
- 8. ETHNICITY. Self-reported ethnicity of case-patient.
- 9. DATE OF ONSET OF LIMB WEAKNESS. Limb weakness onset date of case-patients.
- 10. HOSPITALIZED? Was case-patient hospitalized?
- 11. DATE HOSPITALIZED. Date case-patient FIRST hospitalized.
- 12. DATE DISCHARGED. Date case-patient discharged from LAST hospital (indicate if still hospitalized).
- 13. DIED? Did case-patient die from this illness?
- 14. DATE OF DEATH. Case-patient's date of death.

Signs/symptoms/condition at ANY time during the illness

- 15. WEAKNESS. Specify for each limb (arms and or legs) if there was noted acute onset of weakness.
 - 15a. TONE IN AFFECTED LIMB. Specify for each limb (arms and or legs) the tone in the limb with weakness (select one option per limb)
- 16. ICU? Was case-patient admitted to the ICU?
- 17. DATE ICU. Date case-patient admitted to ICU.

Signs/symptoms/condition in the 4-weeks BEFORE onset illness

- 18. **RESPIRATORY ILLNESS?** Did case-patient have a respiratory illness within the <u>4-week period before</u> onset of limb weakness?
- 19. RESPIRATORY ILLNESS ONSET DATE. Case-patient's respiratory onset date.
- 20. **GASTROINTESTINAL ILLNESS?** Did case-patient have a gastrointestinal illness (e.g., diarrhea or vomiting) within the <u>4-week period before</u> onset of limb weakness?
- 21. GASTROINTESTINAL ILLNESS ONSET DATE. Case-patient's gastrointestinal illness onset date.
- 22. **FEVER?** Did case-patient have a fever (≥38°C/100.4°F), measured by parent or provider, within the <u>4-week period before</u> onset of limb weakness?
- 23. FEVER ONSET DATE. Case-patient's fever onset date.
- 24. TRAVEL OUTSIDE U.S.? Did case-patient travel outside the U.S. within the <u>4-week period before</u> onset of limb weakness?
- 25. IF YES, LIST. If any, list the country(s) visited by the case-patient.
- 26. UNDERLYING ILLNESSES? Does the case-patient have any underlying illnesses?
- 27. **IF YES, LIST.** List the case-patient's underlying illness(es).

Other patient information

- 28. MRI OF SPINAL CORD PERFORMED? Indicate whether case-patient had an MRI of the spinal cord performed.
- 29. DATE SPINAL MRI PERFORMED. Date of the case-patient's spinal cord MRI.
- 30. MRI OF BRAIN PERFORMED? Indicate whether case-patient had an MRI of the brain performed.
- 31. DATE BRAIN MRI PERFORMED. Date of the case-patient's brain MRI.

CSF examination

- 32. LUMBAR PUNCTURE PERFORMED? Indicate if there was a CSF examination done (option for up to two. If more than 2 CSF examinations performed, list the first 2 performed).
 - 32a. CSF from LP1. Complete findings for lumbar puncture 1.
 - 32b. CSF from LP2. Complete findings for lumbar puncture 1.

Acute Flaccid Myelitis Outcome

Follow-up of suspect AFM cases, conducted at least 60 days after onset of limb weakness, will help ascertain if there is any residual paralysis. Follow-up can be done by contacting the case-patient/family for answers to the questions, reviewing medical records, or contacting the case-patient's regular healthcare provider.

- 33. DATE OF 60-DAY FOLLOW-UP. Date that 60-day follow-up of the case-patient is initiated.
- 34. SITES OF PARALYSIS. Indicate the sites where the case-patient had paralysis.
- 35. SPECIFIC SITES. Specify the specific sites where the case-patient had paralysis.
- 36. 60-DAY RESIDUAL. Indicate the status of the case-patient at the point of the 60-day follow-up.
- 37. DATE OF DEATH. Case-patient's date of death during 60-day follow-up.

Case Definition

In June 2015, the Council of State and Territorial Epidemiologists (CSTE) adopted a standardized case definition for AFM that is used by CDC to classify suspected cases as confirmed or probable. The case definition was updated in June 2017 and is presented below.

Acute Flaccid Myelitis case definition

(http://c.ymcdn.com/sites/www.cste.org/resource/resmgr/2017PS/2017PSFin al/17-ID-01.pdf)

Clinical Criteria

An illness with onset of acute flaccid limb weakness

Laboratory Criteria

- Confirmatory Laboratory Evidence: a magnetic resonance image (MRI) showing spinal cord lesion largely restricted to gray matter*† and spanning one or more vertebral segments
- Supportive Laboratory Evidence: cerebrospinal fluid (CSF) with pleocytosis (white blood cell count >5 cells/mm³)

Case Classification

Confirmed:

- Clinically compatible case AND
- Confirmatory laboratory evidence: MRI showing spinal cord lesion largely restricted to gray matter*†
 and spanning one or more spinal segments

Probable:

- Clinically compatible case AND
- Supportive laboratory evidence: CSF showing pleocytosis (white blood cell count >5 cells/mm³).
- * Spinal cord lesions may not be present on initial MRI; a negative or normal MRI performed within the first 72 hours after onset of limb weakness does not rule out AFM. MRI studies performed 72 hours or more after onset should also be reviewed if available.
- † Terms in the spinal cord MRI report such as "affecting mostly gray matter," "affecting the anterior horn or anterior horn cells," "affecting the central cord," "anterior myelitis," or "poliomyelitis" would all be consistent with this terminology.

Comment

To provide consistency in case classification, review of case information and assignment of final case classification for all suspected AFM cases will be done by experts in national AFM surveillance. This is similar to the review required for final classification of paralytic polio cases.