Form Approved
OMB No. 0920-0009
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PART I. Acute Neurological Illness with Limb Weakness in Children: Patient Summary Form

Form to be completed by, or in conjunction with, a physician who provided care to the patient during the neurological illness.

Confirmation of case:	Yes	No	Unknown
a. Neurological findings (upon examination by clinician) include focal limb weakness			
b. MRI of spinal cord demonstrates spinal lesion(s) largely restricted to or predominantly affecting the gray matter. (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. If still unsure if this criterion is met, consider asking the radiologist directly.)			
c. Age at onset of limb weakness is 21 years or less			
d. Onset of limb weakness was August 1, 2014 or later			

Answer to <u>ALL 4 criteria must be YES</u>. If yes, continue to Part II on pages 2 - 5.
If you have any questions about whether your patient meets all 4 criteria, please e-mail us at limbweakness@cdc.gov

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PART II. Acute Neurological Illness with Limb Weakness in Children: Patient Summary Form

Form to be completed by, or in conjunction with, a physician who provided care to the patient during the neurological illness. Once completed, submit to Health Department (HD). HD can also facilitate specimen testing.

1.Today's date__ __/__ __/__ __ __ __ *(mm/dd/yyyy)* **2**.Name of person completing form: _____

3. Affiliation_____Phone: _____Email: _____

4. Name of physician who can provide additional clinical/lab information, if needed _____

5. Affiliation_____ Phone: _____ Email: _____

6. Name of main hospital that provided patient's care:_____ **7**.State: _____ **8**.County: _____

9. Patient ID: _____**10**. State ID: _____ **11**. Patient's sex: ☐ M ☐F

12. Patient's age: _____years AND _____months Patient's residence: **13**. State_____ **14.** County_____

15. Race: ☐Asian ☐Black or African American ☐Native Hawaiian or Other Pacific Islander ☐American Indian or Alaska Native ☐White *(check all that apply)* **16**. Ethnicity: ☐Hispanic ☐Non-Hispanic

17. Date of onset of limb weakness: __ __/__ __/__ __ __ __ *(mm/dd/yyyy)* **18**. Was patient admitted to a hospital? ☐yes ☐no ☐unknown

19. Date of admission to **first** hospital__ __/__ __/__ __ __ __ **20.**Date of discharge from **last** hospital__ __/__ __/__ __ __ __(or ☐ still hospitalized)

21. At the time of last / most recent follow-up, how would you best characterize the patient's outcome, in terms of affected limb strength: ☐ Completely recovered; back to baseline strength with no residual sequelae ☐ Partially recovered; some improvement in limb strength, but with ongoing weakness compared to initial presentation ☐ No demonstrable improvement in limb strength; essentially as weak as at time of first presentation ☐ Decline in limb strength; weaker in affected limbs than at time of first presentation ☐ Unknown / unable to comment ☐ Deceased: **22**.Date of death__ __/__ __/__ __ __

23. At the time of last / most recent follow-up, how would you best characterize the patient's functional outcome, in terms of effect of limb weakness on activities of daily living? **(Not applicable if Q21 is 'Deceased')**

☐ Completely functionally recovered; able to do all activities as prior to acute illness ☐ Somewhat functionally impaired; able to do some activities on own, but needs caregiver assistance with other things (dressing, tying shoes, feeding, etc.) ☐ Completely dependent on caregiver for basic daily functions

Signs/symptoms/condition at ANY time during the illness:								
	Right Arm			Left Arm			Right Leg			Left Leg		
24. Since neurologic illness onset, which limbs have been acutely weak? [*indicate yes(y), no (n), unknown (u)* ***for each limb***]	Y	N	U	Y	N	U	Y	N	U	Y	N	U
25. Date of neurologic exam (recorded at worst weakness thus far) *(mm/dd/yyyy)*	__ __/__ __/__ __ __ __											
26. Reflexes in the **affected** limb(s): (recorded at worst weakness thus far)	☐ Areflexic/hyporeflexic (0-1) ☐ Normal (2) ☐ Hyperreflexic (3-4+)											
27. Any sensory loss/numbness in the **affected** limb(s), at any time during the illness? (paresthesias should not be considered here)	Y	N	U									
28. Any pain or burning in the **affected** limb(s)? (at any time during illness)	Y	N	U	Y	N	U	Y	N	U	Y	N	U

	Yes	No	Unknown
29. Sensory level on the torso (ie, reduced sensation below a certain level of the torso)? (at any time during illness)			
30. At any time during the illness, please check if the patient had any of the following cranial nerve signs:			
☐Diplopia/double vision (If yes, circle the cranial nerve involved if known: 3 / 4 / 6)			
☐Loss of sensation in face ☐ Facial droop ☐Hearing loss ☐ Dysphagia ☐ Dysarthria			
31. Any pain or burning in neck or back? (at any time during illness)			
32. Bowel or bladder incontinence? (at any time during illness)			

33 .Cardiovascular instability (e.g, labile blood pressure, alternating tachy/bradycardia)? (at any time during illness)			
34. Change in mental status (e.g, confused, disoriented, encephalopathic)? (at any time during illness)			
35. Seizure(s)? (at any time during illness)			
36. Received care in ICU because of neurological condition? (at any time during illness) CDC ID			
37. Received invasive ventilatory support (e.g, intubation, tracheostomy) because of neu			

Other patient information:

Within the 4-week period **BEFORE onset** of **limb weakness**, did patient:	Yes	No	Unk	
38. Have a respiratory illness?				**39**. If yes, date of onset __ __/__ __/__ __ __ __
40. Have a fever, measured by parent or provider and ≥ 38.0°C/100.4°F?				**41**. If yes, date of onset __ __/__ __/__ __ __ __
42. Receive oral, IM or IV steroids?				
43. Receive any other systemic Immunosuppressant(s)?				**44.** If yes, list:
45. Travel outside the US?				**46.** If yes, list country
47. Does patient have any underlying illnesses?				**48.** If yes, list
49. On the **day of onset of limb weakness**, did patient have a fever? (see definition above)				

Polio vaccination history:

50. How many doses of **inactivated polio vaccine (IPV**) are **documented** to have been received by the patient before the onset of weakness?	_____doses ☐unknown
51. How many doses of **oral polio vaccine (OPV)** are **documented** to have been received by the patient before the onset of weakness?	_____doses ☐unknown
52. If you do not have documentation of the *type* of polio vaccine received: **a**.What is total number of **documented** polio vaccine doses received before onset of weakness?	_____doses ☐unknown

Neuroradiographic findings: (*Indicate based on <u>most abnormal</u> study)*

<u>MRI of spinal cord</u> **53**. Date of study __ __/__ __/__ __ __ __ *(mm/dd/yyyy)*
54. Levels imaged: ☐cervical ☐thoracic ☐lumbosacral ☐unknown
55. Gadolinium used? ☐yes ☐no ☐unknown

56. Location of lesions:	☐cervical cord ☐thoracic cord ☐conus ☐cauda equina ☐unknown	Levels of cord affected (if applicable): **57**. Cervical: _____ **58.** Thoracic: _____
For **cervical and thoracic cord** lesions	**59.** What areas of spinal cord were affected?	☐predominantly gray matter ☐predominantly white matter ☐both equally affected ☐unknown
	60. Was there cord edema?	☐yes ☐no ☐unknown
For **cervical, thoracic cord or conus** lesions	**61**. Did any lesions enhance with GAD?	☐yes ☐no ☐unknown
For **cauda equina** lesions	**62**. Did the **ventra**l nerve roots enhance with GAD?	☐yes ☐no ☐unknown
	63. Did the **dorsal** nerve roots enhance with GAD?	☐yes ☐no ☐unknown

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<u>MRI of brain</u> **64.** Date of study __ __/__ __/__ __ __ __ *(mm/dd/yyyy)*
65. Gadolinium used? ☐ yes ☐no ☐unknown

66. Any **supratentorial** (i.e, lobe, cortical, subcortical, basal ganglia,	☐yes ☐no ☐unknown	

or thalamic) lesions		
	67.If yes, indicate location(s)	☐cortex ☐subcortex ☐basal ganglia ☐thalamus ☐unknown
	68. If yes, did any lesions enhance with GAD?	☐yes ☐no ☐unknown
69. Any **brainstem** lesions?	☐yes ☐no ☐unknown	
	70. If yes, indicate location:	☐midbrain ☐pons ☐medulla ☐unknown
	71. If yes, did any lesions enhance with GAD?	☐yes ☐no ☐unknown
72. Any **cranial nerve** lesions?	☐yes ☐no ☐unknown	
	73. If yes, indicate which CN(s):	CN_____ ☐unilateral ☐bilateral CN_____ ☐unilateral ☐bilateral
		CN_____ ☐unilateral ☐bilateral CN_____ ☐unilateral ☐bilateral
	74. If yes, did any lesions enhance with GAD?	☐yes ☐no ☐unknown
75. Any lesions affecting the **cerebellum**?	☐yes ☐no ☐unknown	

76. Was an EMG done? ☐yes ☐no ☐unknown If yes, date __ __/__ __/__ __ __ __ *(mm/dd/yyyy)*

77. If yes, was there evidence of acute motor neuropathy, motor neuronopathy, motor nerve or anterior horn cell involvement? ☐yes ☐no ☐unkn

CSF examination: 78. Was a lumbar puncture performed? ☐yes ☐no ☐unknown If yes, complete 79 (*If more than 2 CSF examinations, list earliest and then most abnormal)*

	Date of lumbar puncture	WBC/mm3	% neutrophils	% lymphocytes	% monocytes	% eosinophils	RBC/mm3	Glucose mg/dl	Protein mg/dl
79a. CSF from LP1									
79b. CSF from LP2									

Pathogen testing performed:

80. Was **CSF** tested for the following pathogens?	Date of specimen collection __ __/__ __/__ __ __ __ ☐ Not done
	Enterovirus PCR: ☐ Positive ☐ Negative ☐ Not done If positive: type: ☐ Not typed
	West Nile Virus PCR: ☐ Positive ☐ Negative ☐ Not done If positive, test type: ☐ IgM ☐ PCR
	Herpes Simplex Virus PCR: ☐ Positive ☐ Negative ☐ Not done
	Cytomegalovirus PCR: ☐ Positive ☐ Negative ☐ Not done
	Varicella Zoster Virus PCR: ☐ Positive ☐ Negative ☐ Not done
	Other pathogen identified: specify: Type of test:

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81. Was a **respiratory tract specimen** tested for the following pathogens?	Date of specimen collection __ __/__ __/__ __ __ __ ☐ Not done
	Enterovirus/rhinovirus PCR: ☐ Positive ☐ Negative ☐ Not done If positive: type: ☐ Not typed
	Adenovirus PCR: ☐ Positive ☐ Negative ☐ Not done If positive: type: ☐ Not typed
	Influenza virus PCR: ☐ Positive ☐ Negative ☐ Not done If positive: type: ☐ Not typed
	Other pathogen identified: specify: Type of test:

82. Was a **stool specimen** tested for the following pathogens?	Date of specimen collection __ __/__ __/__ __ __ __ ☐ Not done
	Enterovirus PCR: ☐ Positive ☐ Negative ☐ Not done If positive: type: ☐ Not typed
	Poliovirus PCR: ☐ Positive ☐ Negative ☐ Not done
	Poliovirus culture: ☐ Positive ☐ Negative ☐ Not done
	Other pathogen identified: specify: Type of test:

83. Was **serum** tested for the following pathogens?	Date of specimen collection __ __/__ __/__ __ __ __ ☐ Not done
	West Nile Virus: ☐ Positive ☐ Negative ☐ Not done If positive, test type: ☐ IgM ☐ PCR
	Other pathogen identified: specify: Type of test:

84. Describe any other laboratory finding(s) considered to be significant_____

_____

85. Was/Is a **specific etiology** considered to be the most likely cause for the patient's neurological illness? ☐yes ☐no ☐unknown

86. If yes, please list etiology and reason(s) considered most likely cause _____

_____

Treatment: 87. Were any of these therapies administered for the acute neurologic illness? (as of time of form completion)

	Yes	No	Unknown	
a. Antibiotics				If yes, date first administered: __ __/__ __/__ __
b. Antivirals				If yes, specify_____; date first administered: __ __/__ __/
c. Corticosteroids				If yes, date first administered: __ __/__ __/__ __
d. Intravenous immune globulin (IVIG)				If yes, date first administered: __ __/__ __/__ __
e. Plasma exchange or Plasmapheresis				If yes, date first administered: __ __/__ __/__ __
f. Interferon				If yes, specify_____; date first administered: __ __/__ __/
g. Other immunosuppressive therapy				If yes, specify_____; date first administered: __ __/__ __/

88. Other information you would like us to know _____

_____

_____

89. Indicate which type(s) of specimens from the patient are **currently stored**, and could be available for possible additional testing at CDC:

☐ CSF ☐ Nasal wash/aspirate ☐BAL spec ☐Tracheal aspirate ☐NP/OP swab ☐Stool ☐Serum ☐ Other, list _____

☐ No specimens stored

This section below for CDC use

CSID (DASH ID) _____ CSID (DASH ID) _____

CSID (DASH ID) _____ CSID (DASH ID) _____

CSID (DASH ID) _____ CSID (DASH ID) _____

CSID (DASH ID) _____ CSID (DASH ID) _____

Patient Number (assigned by CDC PPLB Lab)_____

State Specimen ID_____ State Specimen ID_____

State Specimen ID_____ State Specimen ID_____

State Specimen ID_____ State Specimen ID_____

State Specimen ID_____ State Specimen ID_____

Other specimen notes_____

_____