

# Influenza-Associated Pediatric Mortality Case Report Form

Form Approved  
OMB No. 0920-0004

**STATE USE ONLY – DO NOT SEND INFORMATION IN THIS SECTION TO CDC**

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ County: \_\_\_\_\_  
 Address: \_\_\_\_\_ City: \_\_\_\_\_ State, Zip: \_\_\_\_\_

**Patient Demographics**

1. State:	2. County:	3. State ID:	4. CDC ID:
5. Age: _____ <input type="checkbox"/> Days <input type="checkbox"/> Months <input type="checkbox"/> Years	6. Date of birth: _____/_____/_____ <div style="text-align: center;">MM      DD      YYYY</div>		7a. Is sex known? <input type="checkbox"/> Yes <input type="checkbox"/> No  7b. Sex: <input type="checkbox"/> Male <input type="checkbox"/> Female
8a. Is ethnicity known? <input type="checkbox"/> Yes <input type="checkbox"/> No			
8b. Ethnicity: <input type="checkbox"/> Hispanic or Latino <input type="checkbox"/> Not Hispanic or Latino			
9a. Is race known? <input type="checkbox"/> Yes <input type="checkbox"/> No			
9b. Race: <input type="checkbox"/> White <input type="checkbox"/> Black <input type="checkbox"/> Asian <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> American Indian or Alaska Native			

**Death Information**

10. Date of illness onset: _____/_____/_____ <div style="text-align: center;">MM      DD      YYYY</div>	11. Date of death: _____/_____/_____ <div style="text-align: center;">MM      DD      YYYY</div>	12. Was an autopsy performed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
13 a. Did cardiac/respiratory arrest occur outside the hospital? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
13 b. Location of death: <input type="checkbox"/> Outside the Hospital (e.g. home or in transit to hospital) <input type="checkbox"/> Emergency Dept (ED) <input type="checkbox"/> Inpatient ward <input type="checkbox"/> ICU <input type="checkbox"/> Other (specify): _____		
13 c. If the death occurred in the hospital, what was the date of admission? _____/_____/_____ <div style="text-align: center;">MM      DD      YYYY</div>		

**CDC Laboratory Specimens**

14 a. Were pathology specimens sent to CDC’s Infectious Diseases Pathology Branch? Please provide the lab ID No. if known _____	O Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
14 b. Were influenza isolates or original clinical material sent to CDC’s Influenza Division? Please provide the lab ID No. if known _____	O Yes    O No    O Unknown

Public reporting burden of this collection of information is estimated to average 30 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 Information Collection Review Office, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-0004).



### Culture confirmation of bacterial pathogens from NON-STERILE SITES

16 d. Were other **respiratory** specimens collected for bacterial culture (e.g., sputum, ETtube aspirate)?  Yes  No  Unknown

16 e. If yes, please indicate the site from which the specimen was obtained and the result. *If more than one specimen type is positive and more than one organism is identified please indicate the organism cultured from each specimen type in the comments section.*

Specimen Type	Collection Date	Result
<input type="checkbox"/> Sputum	Date <u>  </u> / <u>  </u> / <u>  </u>	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
<input type="checkbox"/> ET tube	Date <u>  </u> / <u>  </u> / <u>  </u>	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
<input type="checkbox"/> Other _____	Date <u>  </u> / <u>  </u> / <u>  </u>	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
<input type="checkbox"/> Unknown		

16 f. If positive, please check the organism cultured.

- |                                                          |                                                                                             |                                                                   |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| <input type="checkbox"/> <i>Streptococcus pneumoniae</i> | <input type="checkbox"/> <i>Staphylococcus aureus</i> , methicillin <b>sensitive</b> (MSSA) | <input type="checkbox"/> <i>Haemophilus influenzae</i> not-type b |
| <input type="checkbox"/> Group A <i>Streptococcus</i>    | <input type="checkbox"/> <i>Staphylococcus aureus</i> , methicillin <b>resistant</b> (MRSA) | <input type="checkbox"/> <i>Haemophilus influenzae</i> type b     |
| <input type="checkbox"/> Other bacteria: _____           | <input type="checkbox"/> <i>Staphylococcus aureus</i> , <b>sensitivity not done</b>         | <input type="checkbox"/> <i>Pseudomonas aeruginosa</i>            |

*(If reporting another viral co-infection please do so in section 18 Clinical Diagnosis and Complications)*

### Pathology confirmation of bacterial pathogens

16 g. Was a specimen (e.g., fixed lung tissue) collected from an autopsy for testing of bacterial pathogens by a local or state pathologist? *(If pathology results are available from CDC it is not necessary to input those results here, however please make sure to complete section 14 "CDC Laboratory Specimens")*  Yes  No  Unknown

*If yes please indicate the results of these tests in the comments section at the end of the form.*

### Medical Care

17. Was the patient placed on mechanical ventilation?  Yes  No  Unknown

## Clinical Diagnoses and Complications

18 a. Did complications occur during the acute illness?  Yes  No  Unknown

18 b. **If yes**, check all complications that occurred during the acute illness:

- Pneumonia (Chest X-Ray confirmed)  Acute Respiratory Disease Syndrome (ARDS)  Croup  Seizures  
 Bronchiolitis  Encephalopathy/encephalitis  Reye syndrome  Shock  
 Sepsis  Hemorrhagic pneumonia/pneumonitis  Cardiomyopathy/myocarditis  
 Another viral co-infection: \_\_\_\_\_  Other: \_\_\_\_\_

19 a. Did the child have any medical conditions that existed before the start of the acute illness?  Yes  No  Unknown

19 b. **If yes**, check all medical conditions that existed before the start of the acute illness:

- Moderate to severe developmental delay  Hemoglobinopathy (e.g. sickle cell disease)  Asthma/ reactive airway disease  
 Diabetes mellitus  History of febrile seizures  Seizure disorder  Cystic fibrosis  
 Cardiac disease/congenital heart disease (specify) \_\_\_\_\_  Renal disease (specify) \_\_\_\_\_  Skin or soft tissue infection (SSTI)  
 Chromosomal Abnormality/Genetic Syndrome (specify) \_\_\_\_\_  Mitochondrial Disorder (specify) \_\_\_\_\_  
 Chronic pulmonary disease (specify) \_\_\_\_\_  Immunosuppressive condition (specify) \_\_\_\_\_  
 Cancer (diagnosis and/or treatment began in previous 12 months) (specify) \_\_\_\_\_  Endocrine disorder (specify) \_\_\_\_\_  Obesity  Cerebral Palsy  Premature at birth (specify gestational age) \_\_\_\_\_ weeks  
 Neuromuscular disorder (e.g. muscular dystrophy) (specify) \_\_\_\_\_  Other Neurological disorder (specify) \_\_\_\_\_  
 Pregnant (specify gestational age) \_\_\_\_\_ weeks  Other (specify) \_\_\_\_\_

## Medication and Therapy History

20 a. Was the patient receiving any of the following therapies *prior* to illness onset? (if yes, check all that apply)

- Yes  No  Unknown  
 Antiviral Prophylaxis  Chronic aspirin therapy  Chemotherapy or radiation therapy  Steroids by mouth or injection  
 Other immunosuppressive therapy: \_\_\_\_\_

20 b. Did the patient receive any of the following *after* illness onset? (if yes, check all that apply)

- Yes  No  Unknown  
 Antibiotic therapy specify \_\_\_\_\_  Antiviral therapy specify \_\_\_\_\_

## Influenza Vaccine History

21. Did the patient receive any influenza vaccine during the current season (before illness)  Yes  No  Unknown

22. If YES, please specify the influenza vaccine received before illness onset:  Inactivated influenza vaccine (IIV3) [injected]  
 Quadrivalent inactivated influenza vaccine (IIV4) [injected]  
 Live-attenuated influenza vaccine (LAIV) [nasal spray]  
 Unknown

23. If YES, how many doses did the patient receive and what was the timing of each dose? (Enter vaccination dates if available)

1 dose ONLY  <14 days prior to illness onset  ≥14 days prior to illness onset Date dose given: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
MM DD YYYY

2 doses  2<sup>nd</sup> dose given <14 days prior to onset  2<sup>nd</sup> dose given ≥14 days prior to onset Date of 1<sup>st</sup> dose: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Date of 2<sup>nd</sup> dose: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
MM DD YYYY MM DD YYYY

23b. IF the patient received two doses of influenza vaccine during the current season, please specify the SECOND influenza vaccine received before illness onset:  Inactivated influenza vaccine (IIV3) [injected]  
 Quadrivalent inactivated influenza vaccine (IIV4) [injected]  
 Live-attenuated influenza vaccine (LAIV) [nasal spray]  
 Unknown

24. Did the patient receive any influenza vaccine in previous seasons?  Yes  No  Unknown

24 a. If YES, and the patient was ≤ 8 years of age at time of death, have they received a total of 2 or more doses of influenza vaccine (does need not have been received in the same season or consecutive seasons)?  Yes  No  Unknown

25a. Were immunization records or information about influenza vaccination available for this case?  Yes  No  Unknown

25b. If yes, please check all sources of information on the patient's influenza vaccination history that were reviewed (please check all that apply).

Patient's immunization record  Medical records  Coroner's report  
 Immunization information system (registry)  Parent report  News/media report  
 Other (specify): \_\_\_\_\_

Submitted By: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
Phone No.: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ MM DD YYYY  
E-mail Address: \_\_\_\_\_

Case Investigation Closed:  Yes  No