**Patient Demographics**

1. State:            2. County:            3. State ID:            4. CDC ID:            

5. Age: _____ O Days O Months O Years

6. Date of birth: _____ / _____ / ________

    MM  DD  YYYY

7a. Is sex known?  ☐ Yes  ☐ No

7b. Sex:  ☐ O Male  ☐ O Female

8a. Is ethnicity known?  ☐ Yes  ☐ No

8b. Ethnicity:  ☐ Hispanic or Latino  ☐ Not Hispanic or Latino

9a. Is race known?  ☐ Yes  ☐ No

9b. Race:  ☐ White  ☐ Black  ☐ Asian  ☐ Native Hawaiian or Other Pacific Islander  ☐ American Indian or Alaska Native

**Death Information**

10. Date of illness onset: _____ / _____ / ________

    MM  DD  YYYY

11. Date of death: _____ / _____ / ________

    MM  DD  YYYY

12. Was an autopsy performed?  ☐ O Yes  ☐ O No  ☐ O Unknown

13 a. Did cardiac/respiratory arrest occur outside the hospital?  ☐ O Yes  ☐ O No  ☐ O Unknown

13 b. Location of death:  ☐ O Outside the Hospital (e.g. home or in transit to hospital)  ☐ O Emergency Dept (ED)  ☐ O Inpatient ward  ☐ O ICU  ☐ O Other (specify): _______________

13 c. If the death occurred in the hospital, what was the date of admission? _____ / _____ / ________

    MM  DD  YYYY

**CDC Laboratory Specimens**

14 a. Were pathology specimens sent to CDC’s Infectious Diseases Pathology Branch?  ☐ O Yes  ☐ O No  ☐ O Unknown

Please provide the lab ID No. if known __________

14 b. Were influenza isolates or original clinical material sent to CDC’s Influenza Division?  ☐ O Yes  ☐ O No  ☐ O Unknown

Please provide the lab ID No. if known __________
<table>
<thead>
<tr>
<th>Influenza Testing (check all that were used)</th>
<th>Result</th>
<th>Specimen Collection Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Commercial rapid diagnostic test</td>
<td>O Influenza A</td>
<td>O Influenza B</td>
</tr>
<tr>
<td></td>
<td>O Influenza A/B (Not Distinguished)</td>
<td>O 2009 Influenza A (H1N1)</td>
</tr>
<tr>
<td></td>
<td>O Influenza virus co-infection (specify)</td>
<td></td>
</tr>
<tr>
<td>Viral culture</td>
<td>O Influenza A (Subtyping Not Done)</td>
<td>O 2009 Influenza A (H1N1)</td>
</tr>
<tr>
<td></td>
<td>O Influenza A (H3)</td>
<td>O Influenza A (H3N2v)</td>
</tr>
<tr>
<td></td>
<td>O Influenza A (Unable To Subtype)</td>
<td>O Influenza B (Lineage Not Determined)</td>
</tr>
<tr>
<td></td>
<td>O Influenza B/Victoria lineage</td>
<td>O Influenza B/Yamagata lineage</td>
</tr>
<tr>
<td></td>
<td>O Influenza virus co-infection (specify)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>O Negative</td>
<td></td>
</tr>
<tr>
<td>Fluorescent antibody (IFA or DFA)</td>
<td>O Influenza A (Subtyping Not Done)</td>
<td>O Influenza B</td>
</tr>
<tr>
<td></td>
<td>O Influenza A (Unable To Subtype)</td>
<td>O Influenza A (H3)</td>
</tr>
<tr>
<td></td>
<td>O 2009 Influenza A (H1N1)</td>
<td>O Influenza virus co-infection (specify)</td>
</tr>
<tr>
<td>Enzyme immunoassay (EIA)</td>
<td>O Influenza A (Subtyping Not Done)</td>
<td>O Influenza B</td>
</tr>
<tr>
<td></td>
<td>O Influenza A (Unable To Subtype)</td>
<td>O Influenza A (H3)</td>
</tr>
<tr>
<td></td>
<td>O 2009 Influenza A (H1N1)</td>
<td>O Influenza virus co-infection (specify)</td>
</tr>
<tr>
<td>RT-PCR</td>
<td>O Influenza A (Subtyping Not Done)</td>
<td>O 2009 Influenza A (H1N1)</td>
</tr>
<tr>
<td></td>
<td>O Influenza A (H3)</td>
<td>O Influenza A (H1)</td>
</tr>
<tr>
<td></td>
<td>O Influenza A (H3N2v)</td>
<td>O Influenza A (Unable To Subtype)</td>
</tr>
<tr>
<td></td>
<td>O Influenza B (Lineage Not Determined)</td>
<td>O Influenza B/Yamagata lineage</td>
</tr>
<tr>
<td></td>
<td>O Influenza B/Victoria lineage</td>
<td>O Influenza B/Yamagata lineage</td>
</tr>
<tr>
<td></td>
<td>O Influenza virus co-infection (specify)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>O Negative</td>
<td></td>
</tr>
<tr>
<td>Immunohistochemistry (IHC)</td>
<td>O Influenza A</td>
<td>O Influenza B</td>
</tr>
<tr>
<td></td>
<td>O Influenza virus co-infection (specify)</td>
<td></td>
</tr>
</tbody>
</table>

**Culture confirmation of bacterial pathogens from STERILE (Invasive) SITES**

16 a. Was a specimen collected for bacterial culture from a normally sterile site (e.g., blood, cerebrospinal fluid [CSF], tissue, or pleural fluid? Specimens collected greater than 24 hours after death are not sterile. O Yes O No O Unknown

16 b. 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.

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Collection Date</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>Date <strong>/</strong>/__</td>
<td>O Positive O Negative O Unknown</td>
</tr>
<tr>
<td>Pleural fluid</td>
<td>Date <strong>/</strong>/__</td>
<td>O Positive O Negative O Unknown</td>
</tr>
<tr>
<td>CSF</td>
<td>Date <strong>/</strong>/__</td>
<td>O Positive O Negative O Unknown</td>
</tr>
<tr>
<td>Lung Tissue</td>
<td>Date <strong>/</strong>/__</td>
<td>O Positive O Negative O Unknown</td>
</tr>
<tr>
<td>Other __________________</td>
<td>Date <strong>/</strong>/__</td>
<td>O Positive O Negative O Unknown</td>
</tr>
<tr>
<td>Unknown</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

- **Streptococcus pneumoniae**
- **Staphylococcus aureus**, methicillin sensitive (MSSA)
- Haemophilus influenzae not-type b
- **Group A Streptococcus**
- **Staphylococcus aureus**, methicillin resistant (MRSA)
- Haemophilus influenzae type b
- **Other bacteria**: (If reporting another viral co-infection please do so in section 18 Clinical Diagnosis and Complications)
- **Staphylococcus aureus**, sensitivity not done
- Pseudomonas aeruginosa
Culture confirmation of bacterial pathogens from NON-STERILE SITES

16 d. Were other respiratory specimens collected for bacterial culture (e.g., sputum, ET tube 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.*

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Collection Date</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sputum</td>
<td>Date <strong>/</strong>/____</td>
<td>O Positive</td>
</tr>
<tr>
<td>ET tube</td>
<td>Date <strong>/</strong>/____</td>
<td>O Positive</td>
</tr>
<tr>
<td>Other</td>
<td>Date <strong>/</strong>/____</td>
<td>O Positive</td>
</tr>
<tr>
<td>Unknown</td>
<td>Date <strong>/</strong>/____</td>
<td>O Positive</td>
</tr>
</tbody>
</table>

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

- **Streptococcus pneumoniae**
- **Staphylococcus aureus, methicillin sensitive (MSSA)**
- **Staphylococcus aureus, methicillin resistant (MRSA)**
- **Haemophilus influenzae type b**
- **Haemophilus influenzae not-type b**
- **Other bacteria:**
  - **Staphylococcus aureus, sensitivity not done**
  - **Pseudomonas aeruginosa**

(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?  
- O Yes  
- O No  
- O 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?  
- O Yes  
- O No  
- O 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)  
- □ 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)  
   - O Yes  
   - O No  
   - O Unknown

22. **If YES*, please specify the influenza vaccine received before illness onset:**
   - O Inactivated influenza vaccine (IIV3) [injected]
   - O Quadrivalent inactivated influenza vaccine (IIV4) [injected]
   - O Live-attenuated influenza vaccine (LAIV4) [nasal spray]
   - O Unknown

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

   | O 1 dose ONLY |  |  |  |  |
   |---------------------------------------------------------------|
   | <14 days prior to illness onset | Date given: | MM | DD | YYYY |
   | ≥14 days prior to illness onset |  |  |  |  |

   | O 2 doses |  |  |  |  |  |  |  |
   |---------------------------------------------------------------|
   | 2nd dose given <14 days prior to onset | Date of 1st dose: | MM | DD | YYYY | Date of 2nd dose: | MM | DD | YYYY |
   | 2nd dose given ≥14 days prior to onset |  |  |  |  |  |  |  |  |

23b. IF the patient received two doses of influenza vaccine during the current season, please specify the SECOND influenza vaccine received before illness onset:
   - O Inactivated influenza vaccine (IIV3) [injected]
   - O Quadrivalent inactivated influenza vaccine (IIV4) [injected]
   - O Live-attenuated influenza vaccine (LAIV4) [nasal spray]
   - O Unknown

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

24 a. **If YES, and patient was ≤8 years of age at the time of death, did they receive 2 doses of vaccine during a previous season?**  
   - O Yes  
   - O No  
   - O Unknown

---

Submitted By: ____________________________________________________________
Phone No.: (            ) -
E-mail Address: ____________________________________________________________

Case Investigation Closed: O Yes  O No