Human Infection with Novel Influenza A Virus Case Report Form

State: __________ Date reported to health department: __/__/____ (MM/DD/YYYY) Date interview completed: __/__/____ (MM/DD/YYYY)

State Epi ID: ____________________________ State Lab ID: ____________________________

Household ID (CDC use only): ____________________________ CDC ID (CDC use only): ____________________________ Cluster ID (CDC use only): ____________________________

1. At the time of this report, is the case:
   □ Confirmed □ Probable □ Case under investigation (skip to Q.3) □ Not a case (skip to Q.3)

2. What is the subtype?
   □ Influenza A(H1N1) variant □ Influenza A(H1N2) variant □ Influenza A(H3N2) variant □ Influenza A(H5N1)
   □ Influenza A(H7N9) □ Other______

3. Date of birth: __/__/____ (MM/DD/YYYY)

4. County of residence: ____________________________

5. Race: (check all that apply)
   □ White □ Asian □ American Indian/Alaska Native □ Black □ Native Hawaiian/Other Pacific Islander

6. Ethnicity: □ Hispanic or Latino □ Not Hispanic or Latino

7. Sex: □ Male □ Female

Demographic Information

8. What date did symptoms associated with this illness start? __/__/____ (MM/DD/YYYY)

9. During this illness, did the patient experience any of the following?

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Symptom Present?</th>
<th>Symptom</th>
<th>Symptom Present?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fever (highest temp _______ °F)</td>
<td>□ Yes □ No □ Unc</td>
<td>Shortness of breath</td>
<td>□ Yes □ No □ Unc</td>
</tr>
<tr>
<td>If fever present, date of onset <em><strong>/</strong></em>/_____ (MM/DD/YYYY)</td>
<td></td>
<td>Vomiting</td>
<td>□ Yes □ No □ Unc</td>
</tr>
<tr>
<td>Felt feverish</td>
<td>□ Yes □ No □ Unc</td>
<td>Diarrhea</td>
<td>□ Yes □ No □ Unc</td>
</tr>
<tr>
<td>If felt feverish, date of onset <em><strong>/</strong></em>/_____ (MM/DD/YYYY)</td>
<td></td>
<td>Eye infection/redness</td>
<td>□ Yes □ No □ Unc</td>
</tr>
<tr>
<td>Cough</td>
<td>□ Yes □ No □ Unc</td>
<td>Rash</td>
<td>□ Yes □ No □ Unc</td>
</tr>
<tr>
<td>Sore Throat</td>
<td>□ Yes □ No □ Unc</td>
<td>Fatigue</td>
<td>□ Yes □ No □ Unc</td>
</tr>
<tr>
<td>Muscle aches</td>
<td>□ Yes □ No □ Unc</td>
<td>Seizures</td>
<td>□ Yes □ No □ Unc</td>
</tr>
<tr>
<td>Headache</td>
<td>□ Yes □ No □ Unc</td>
<td>Other, specify</td>
<td>□ Yes □ No □ Unc</td>
</tr>
</tbody>
</table>

10. Does the patient still have symptoms?
    □ Yes (skip to Q.12) □ No □ Unknown (skip to Q.12)

11. When did the patient feel back to normal? __/__/____ (MM/DD/YYYY)

12. Did the patient receive any medical care for the illness?
    □ Yes □ No (skip to Q.29) □ Unknown (skip to Q.29)

13. Where and on what date did the patient seek care (check all that apply)?
    □ Doctor’s office date: ___/___/_____ (MM/DD/YYYY)
    □ Emergency room date: ___/___/_____ (MM/DD/YYYY)
    □ Urgent care clinic date: ___/___/_____ (MM/DD/YYYY)
    □ Health department date: ___/___/_____ (MM/DD/YYYY)
    □ Other date: ___/___/_____ (MM/DD/YYYY) □ Unknown

14. Was the patient hospitalized for the illness?
    □ Yes □ No (skip to Q.23) □ Unknown (skip to Q.23)

15. Date(s) of hospital admission? First admission date: ___/___/_____ (MM/DD/YYYY) Second admission date: ___/___/_____ (MM/DD/YYYY)

16. Was the patient admitted to an intensive care unit (ICU)?
    □ Yes □ No (skip to Q.18) □ Unknown (skip to Q.18)

17. Date of ICU admission: ___/___/_____ (MM/DD/YYYY) Date of ICU discharge: ___/___/_____ (MM/DD/YYYY)

18. Did the patient receive mechanical ventilation / have a breathing tube?
    □ Yes □ No (skip to Q.20) □ Unknown (skip to Q.20)

19. For how many days did the patient receive mechanical ventilation or have a breathing tube? ____________ days

20. Was the patient discharged?
    □ Yes □ No (skip to Q.23) □ Unknown (skip to Q.23)

21. Date(s) of hospital discharge? First discharge date: ___/___/_____ (MM/DD/YYYY) Second discharge date: ___/___/_____ (MM/DD/YYYY)

22. Where was the patient discharged?
    □ Home □ Nursing facility/rehab □ Hospice □ Other ____________ □ Unknown

23. Did the patient have a new abnormality on chest x-ray or CAT scan?
    □ No, x-ray or scan was normal □ Yes, x-ray or scan detected new abnormality □ No, chest x-ray or CAT scan not performed □ Unknown

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Human Infection with Novel Influenza A Virus
Case Report Form

24. Did the patient receive a diagnosis of pneumonia? □ Yes □ No □ Unknown
25. Did the patient receive a diagnosis of ARDS? □ Yes □ No □ Unknown
26. Did the patient have leukopenia (white blood cell count <5000 leukocytes/mm³) associated with this illness? □ Normal □ Abnormal □ Test not performed □ Unknown
27. Did the patient have lymphopenia (total lymphocytes <800/mm³ or lymphocytes <15% of WBC) associated with this illness? □ Normal □ Abnormal □ Test not performed □ Unknown
28. Did the patient have thrombocytopenia (total platelets <150,000/mm³) associated with this illness? □ Normal □ Abnormal □ Test not performed □ Unknown
29. Did the patient experience any other complications as a result of this illness? □ Yes (please describe below) □ No □ Unknown

____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________

30. Did the patient receive influenza antiviral medications prior to becoming ill (within 2 weeks) or after becoming ill? □ Yes, (please complete table below) □ No □ Unknown

<table>
<thead>
<tr>
<th>Drug</th>
<th>Start date (MM/DD/YYYY)</th>
<th>End date (MM/DD/YYYY)</th>
<th>Total number of days receiving antivirals</th>
<th>Dosage (if known)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oseltamivir (Tamiflu)</td>
<td></td>
<td></td>
<td></td>
<td>mg</td>
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<tr>
<td>Zanamivir (Relenza)</td>
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<td></td>
<td></td>
<td>mg</td>
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<tr>
<td>Other influenza antiviral</td>
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<td></td>
<td></td>
<td>mg</td>
</tr>
</tbody>
</table>

31. Did the patient die as a result of this illness? □ Yes, Date of death: __/__/____ (MM/DD/YYYY) □ No □ Unknown

Influenza Testing

32. When was the specimen collected that indicated novel influenza A virus infection by Reverse Transcription-Polymerase Chain Reaction (RT-PCR)? __/__/____ (MM/DD/YYYY)
33. Where was the specimen collected? □ Doctor’s office □ Hospital □ Emergency room □ Urgent care clinic □ Health department □ Other __________ □ Unknown
34. Was a rapid influenza diagnostic test (RIDT) used on any respiratory specimens collected? □ Yes □ No (skip to Q.38) □ Unknown (skip to Q.38)
35. When was the RIDT specimen collected? __/__/____ (MM/DD/YYYY)
36. What was the result? □ Influenza A □ Influenza B □ Influenza A/B (type not distinguished) □ Negative □ Other __________
37. What brand of RIDT was used? ___________________________________________________________

Medical History -- Past Medical History and Vaccination Status

38. Does the patient have any of the following chronic medical conditions? Please specify ALL conditions that qualify.
   a. Asthma/reactive airway disease □ Yes □ No □ Unknown
   b. Other chronic lung disease □ Yes □ No □ Unknown (If YES, specify) ______________________
   c. Chronic heart or circulatory disease □ Yes □ No □ Unknown (If YES, specify) ______________________
   d. Diabetes mellitus □ Yes □ No □ Unknown (If YES, specify) ______________________
   e. Kidney or renal disease □ Yes □ No □ Unknown (If YES, specify) ______________________
   f. Non-cancer immunosuppressive condition □ Yes □ No □ Unknown (If YES, specify) ______________________
   g. Cancer chemotherapy in past 12 months □ Yes □ No □ Unknown (If YES, specify) ______________________
   h. Neurologic/neurodevelopmental disorder □ Yes □ No □ Unknown (If YES, specify) ______________________
   i. Other chronic diseases □ Yes □ No □ Unknown (If YES, specify) ______________________
39. Does the patient frequently use a stroller or wheelchair? If yes, please describe. □ Yes □ No □ Unknown
40. Was patient pregnant or ≤6 weeks postpartum at illness onset? □ Yes, pregnant (weeks pregnant at onset) ________ □ Yes, postpartum (delivery date) __/__/____ (MM/DD/YYYY) □ No □ Unknown
41. Does the patient currently smoke? □ Yes □ No □ Unknown
42. Was the patient vaccinated against influenza in the past year? □ Yes □ No (skip to Q.45) □ Unknown (skip to Q.45)
43. Month and year of influenza vaccination? Vaccination date 1: __/__/____ (MM/YYYY) Vaccination date 2: __/__/____ (MM/YYYY)
44. Type of influenza vaccine (check all that apply): □ Inactivated (injection) □ Live attenuated (nasal spray) □ Unknown
Human Infection with Novel Influenza A Virus
Case Report Form

Epidemiologic Risk Factors

45. In the 7 days prior to illness onset, did the patient travel outside of his/her usual area?  □ Yes □ No (skip to Q.48) □ Unknown (skip to Q.48)
46. When and where did the patient travel?  Please describe details of the patient’s travel in the notes section at the end of the form.
   Trip 1: Dates of travel: ______/_____/______ to ______/_____/______  Country ______  State ______  City/County ______
   Trip 2: Dates of travel: ______/_____/______ to ______/_____/______  Country ______  State ______  City/County ______
47. Did the patient travel in a group (check all that apply)?
   □ No, travelled alone  □ Yes, with household members  □ Yes, with non-household members  □ Unknown

Risk Factors—Domestic and Agricultural Animals

48. In the 7 days before becoming ill, did the patient attend an agricultural fair/event or live animal market?
   □ Yes (specify name, if >1 fair, please describe in the notes section __________________________)  □ No (skip to Q.50) □ Unknown (skip to Q.50)
49. In the 7 days before becoming ill, on what days did the patient attend an agricultural fair/event or live animal market (check all that apply)?
   □ on the day of illness onset  □ 1 day before illness onset  □ 2 days before illness onset  □ 3 days before illness onset  □ 4 days before illness onset  □ 5 days before illness onset  □ 6 days before illness onset  □ 7 days before illness onset
50. In the 7 days before becoming ill, did the patient have DIRECT contact with (touch or handle) any livestock animals like poultry or pigs?
   □ Yes  □ No (skip to Q.53) □ Unknown (skip to Q.53)
51. What type(s) of animals did the patient have direct contact with (check all that apply)?
   □ Horses  □ Cows  □ Poultry/wild birds  □ Sheep  □ Goats  □ Pigs/hogs  □ Other________________
52. Where did the direct contact occur (check all that apply)?
   □ Home  □ Work  □ Agricultural fair or event  □ Live animal market  □ Petting zoo  □ Other________________
53. In the 7 days before becoming ill, did the patient have INDIRECT contact with (walk through an area containing or come within 6 feet of) any livestock animals?
   □ Yes  □ No (skip to Q.56) □ Unknown (skip to Q.56)
54. What type(s) of animals did the patient have indirect contact with (check all that apply)?
   □ Horses  □ Cows  □ Poultry/wild birds  □ Sheep  □ Goats  □ Pigs/hogs  □ Other________________
55. Where did the indirect contact occur (check all that apply)?
   □ Home  □ Work  □ Agricultural fair or event  □ Live animal market  □ Petting zoo  □ Other________________

Risk Factors—Household, Occupationsal, Nosocomial, and Secondary Spread

56. Does the patient reside in an institutional or group setting (e.g. nursing home, boarding school, college dormitory)?
   □ Yes (skip to Q.63) □ No  □ Unknown (skip to Q.63)
57. How many people resided in the patient’s household(s) in the week before or after illness onset (excluding the patient)?
   ____________

A household member is anyone with at least one overnight stay in the week before or after the patient’s illness onset, and the patient may have resided in >1 household during this period. Please complete the table below for each household member.

<table>
<thead>
<tr>
<th>ID</th>
<th>Household (HH)</th>
<th>Relation to patient (e.g. parent, brother, friend)</th>
<th>Sex (M/F)</th>
<th>Age</th>
<th>Fever or any respiratory symptom +/- 7 days from case patient’s onset?</th>
<th>Date of illness onset</th>
<th>If HH member ILL</th>
<th>If HH member NOT ILL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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</tbody>
</table>
Human Infection with Novel Influenza A Virus
Case Report Form

63. In the 7 days before or after becoming ill, did the patient attend or work at a child care facility?
   ☐ Yes (before becoming ill) ☐ Yes (after becoming ill) ☐ No (skip to Q.65) ☐ Unknown (skip to Q.65)

64. Approximately how many children are in the patient’s class or room at the child care facility? ____________

65. In the 7 days before or after becoming ill, did the patient attend or work at a school?
   ☐ Yes (before becoming ill) ☐ Yes (after becoming ill) ☐ No (skip to Q.67) ☐ Unknown (skip to Q.67)

66. Approximately how many students are in the patient’s class at the school? ____________ children

67. In the 7 days before or after the patient became ill, did anyone else in the patient’s household(s) work at or attend a child care facility or school?
   ☐ Yes ☐ No (skip to Q.69) ☐ Unknown (skip to Q.69)

68. List ID numbers from Q.62 (the table above) for household members working at or attending a child care facility or school:

69. Does the patient handle samples (animal or human) suspected of containing influenza virus in a laboratory or other setting?
   ☐ Yes ☐ No ☐ Unknown

70. In the 7 days before or after becoming ill, did the patient work in or volunteer at a healthcare facility or setting?
   ☐ Yes ☐ No (skip to Q.73) ☐ Unknown (skip to Q.73)

71. Specify healthcare facility job/role:
   ☐ Physician ☐ Nurse ☐ Administration staff ☐ Housekeeping ☐ Patient transport ☐ Volunteer ☐ Other ____________________________

72. Did the patient have direct patient contact while working or volunteering at a healthcare facility?
   ☐ Yes ☐ No ☐ Unknown

73. In the 7 days before becoming ill, was the patient in a hospital for any reason (i.e., visiting, working, or for treatment)?
   ☐ Yes ☐ No ☐ Unknown
   If yes, what were the dates? ____________ / ____________, ____________ / ____________ City/Town ____________________________

74. In the 7 days before becoming ill, was the patient in a clinic or a doctor’s office for any reason?
   ☐ Yes ☐ No ☐ Unknown
   If yes, what were the dates? ____________ / ____________, ____________ / ____________ City/Town ____________________________

75. In the 7 days before becoming ill, did the patient have close contact (e.g. caring for, speaking with, or touching) with anyone other than a household member who routinely has contact with pigs/hogs?
   ☐ Yes ☐ No ☐ Unknown

76. Does the patient know anyone other than a household member who had fever, respiratory symptoms like cough or sore throat, or another respiratory illness like pneumonia in the 7 days BEFORE the case patient’s illness onset?
   ☐ Yes (please list those ill before the case patient in the table below) ☐ No ☐ Unknown

<table>
<thead>
<tr>
<th>Relationship to patient</th>
<th>Sex (M/F)</th>
<th>Age</th>
<th>Date of illness onset</th>
<th>Any pig/hog contact or fair attendance ≤7 days before his/her onset?</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

77. Does the patient know anyone other than a household member who had fever, respiratory symptoms like cough or sore throat, or another respiratory illness like pneumonia beginning AFTER the case patient’s illness onset?
   ☐ Yes (please list those ill after the case patient in the table below) ☐ No ☐ Unknown

<table>
<thead>
<tr>
<th>Relationship to patient</th>
<th>Sex (M/F)</th>
<th>Age</th>
<th>Date of illness onset</th>
<th>Any pig/hog contact or fair attendance ≤7 days before his/her onset?</th>
<th>Comments</th>
</tr>
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</table>

78. Is the patient a contact of a confirmed or probable case of novel influenza A infection?
   ☐ Yes (please list patient’s confirmed or probable contacts in the table below) ☐ No ☐ Unknown

<table>
<thead>
<tr>
<th>Relationship to patient</th>
<th>State Epi ID</th>
<th>State Lab ID</th>
<th>Case status</th>
<th>Sex (M/F)</th>
<th>Age</th>
<th>Date of illness onset (MM/DD/YYYY)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Confirmed</td>
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<td>Probable</td>
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</table>
Human Infection with Novel Influenza A Virus
Case Report Form

79. Any additional comments or notes (e.g. travel details, names/dates of fairs attended by case patient, dates of household members fair attendance and location of fair, information about other ill contacts)?

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This is the end of the case report form. Thank you very much for your time.
Please fax completed forms to 1.888.232.1322
If you have any questions please feel free to contact the Epidemiology and Prevention Branch at 404.639.3747.