

Study ID: \_\_\_\_\_

**CEIRS Human Influenza Surveillance Study  
Form 9A: ED Chart Review - ED Visit**

Review the subject's medical record for the day of enrollment and the subsequent 21 days for visits to the Emergency Department (ED). Each subject will have at least one ED Visit (ED Visit 1), which will be the ED visit during which the subject was enrolled.

Include the date of the ED visit during which the subject was enrolled, how many ED visits did the subject have in the past 21 days? \_\_\_\_ ED visits

Indicate the date of the ED Visit(s):

**ED Visit 1** (date of enrollment)

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 2**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 3**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 4**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 5**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 6**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 7**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 8**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

**ED Visit 9**

Date: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

***For each ED visit, complete a separate ED Chart Review Form.***

**ED Chart Review Form**

**Instructions:** For each ED visit, complete an ED Chart Review Form. Each subject will have at least one ED Visit (ED Visit 1), which will be the ED visit during which the subject was enrolled. Add subsequent forms for additional ED visits within 21 days of enrollment, as necessary, numbering sequentially.

**ED Visit #** \_\_\_\_ (Begin with visit 1 for the enrollment visit)

## 1. ED arrival

Arrival Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ (mm/dd/yyyy)

Arrival Time (24-hour clock): \_\_\_\_ : \_\_\_\_ (hh:mm)

## 2. ED departure

Departure Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ (mm/dd/yyyy)

Departure Time (24-hour clock): \_\_\_\_ : \_\_\_\_ (hh:mm)

**ED Physical Exam (Initial Exam of ED visit)**

## 3. Initial Vital Signs upon presentation to the ED: (if unknown or not obtained, use "999")

3a. Temperature: \_\_\_\_\_ ##.#C (range: 35.0 – 42.0; if unknown use "999.9")

3b. Pulse: \_\_\_\_\_ Beats Per Minute (range: 40 - 200)

3c. Respiratory Rate: \_\_\_\_\_ Breaths Per Minute (range: 10 - 30)

3d. Systolic Blood Pressure: \_\_\_\_\_ mm Hg (range: 60 - 200)

3e. Oxygen Saturation: \_\_\_\_\_ % (range: 70 - 100)

## 4. Was oxygen supplementation given at this time?

No  Yes  Unknown

4a. If yes, how much? \_\_\_\_\_ L/min

4b. What was the route?

Nasal cannula  Facemask/non-rebreather  BiPAP/CPAP  Intubated

## 5. Pharyngeal Erythema

No  Yes  Unknown

## 6. Cervical lymphadenopathy

No  Yes  Unknown

## 7. Altered Mental Status or Confusion

No  Yes  Unknown

**ED Laboratory:**8. Please insert the following laboratory values (if obtained while in the ED). Use the **first set** of laboratory values obtained in the ED: (if unknown or not obtained, use "999")

8a. pH: \_\_\_\_\_ (range: 4– 10)

8b. BUN: \_\_\_\_\_ mg/dL (range: 6 to 20 mg/dL)

8c. Sodium: \_\_\_\_\_ mEq/L (range: 135 - 145 mEq/L)

8d. Glucose: \_\_\_\_\_ mg/dL (range: 70 - 180 mg/dL)

8e. Hematocrit: \_\_\_\_\_ % (range: 20 – 70%)

9. Did the subject receive influenza testing in the ED?  No  Yes  Unknown

(Note: This **does not** including testing done as part of this study protocol)

9a. If yes, how many? \_\_\_\_\_ influenza tests

*For each influenza test, specify the test name, type, result, and the time the test was collected and resulted:*

## 9i. Test 1

Test 1 Name: \_\_\_\_\_

Test 1 Type:  PCR  DFA  Culture  Antigen  Other: \_\_\_\_\_

Test 1 Result:  Negative  Positive  Other

Test 1 Collection Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ (mm/dd/yyyy)

Test 1 Collection Time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Test 1 Result Date: \_\_\_/\_\_\_/\_\_\_ (mm/dd/yyyy)  
 Test 1 Result Time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Was influenza typing performed?  No  Yes  Unknown  
 If yes, please specify influenza type: \_\_\_\_\_

9ii. Test 2

Test 2 Name: \_\_\_\_\_  
 Test 2 Type:  PCR  DFA  Culture  Antigen  Other: \_\_\_\_\_  
 Test 2 Result:  Negative  Positive  Other  
 Test 2 Collection Date: \_\_\_/\_\_\_/\_\_\_ (mm/dd/yyyy)  
 Test 2 Collection Time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Test 2 Result Date: \_\_\_/\_\_\_/\_\_\_ (mm/dd/yyyy)  
 Test 2 Result Time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Was influenza typing was performed?  No  Yes  Unknown  
 If yes, please specify influenza type: \_\_\_\_\_

9iii. Test 3

Test 3 Name: \_\_\_\_\_  
 Test 3 Type:  PCR  DFA  Culture  Antigen  Other: \_\_\_\_\_  
 Test 3 Result:  Negative  Positive  Other  
 Test 3 Collection Date: \_\_\_/\_\_\_/\_\_\_ (mm/dd/yyyy)  
  
 Test 3 Collection time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Test 3 Result Date: \_\_\_/\_\_\_/\_\_\_ (mm/dd/yyyy)  
 Test 3 Result Time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Was influenza typing was performed?  No  Yes  Unknown  
 If yes, please specify influenza type: \_\_\_\_\_

9iv. Test 4

Test 4 Name: \_\_\_\_\_  
 Test 4 Type:  PCR  DFA  Culture  Antigen  Other: \_\_\_\_\_  
 Test 4 Result:  Negative  Positive  Other  
 Test 4 Collection Date: \_\_\_/\_\_\_/\_\_\_ (mm/dd/yyyy)  
 Test 4 Collection time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Test 4 Result Date: \_\_\_/\_\_\_/\_\_\_ (mm/dd/yyyy)  
 Test 4 Result Time (24-hour clock): \_\_\_:\_\_\_ (hh:mm)  
 Was influenza typing was performed?  No  Yes  Unknown  
 If yes, please specify influenza type: \_\_\_\_\_

10. Was the subject diagnosed with any other viruses?

- 10a. Respiratory Syncytial Virus (RSV)  No  Yes  Unknown
- 10b. Parainfluenza (1,2, or 3)  No  Yes  Unknown
- 10c. Rhinovirus  No  Yes  Unknown
- 10d. Metapneumovirus  No  Yes  Unknown
- 10e. Adenovirus  No  Yes  Unknown

**ED Course**

- 11. Did subject receive an influenza antiviral in the ED?  No  Yes  Unknown
- 11a. If yes, how many antivirals were received? \_\_\_\_\_ influenza antivirals

11b. For each influenza antiviral received, specify the antiviral name, route of administration, and time influenza antiviral was given.

(Key: PO = by mouth; IN = intranasal; IV = intravenous)

Influenza antiviral 1

Influenza Antiviral 1 Name: \_\_\_\_\_

Influenza Antiviral 1 Route:  PO  IN  IV

Influenza Antiviral 1 Date administered: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

Influenza Antiviral 1 Time administered (24-hour clock): \_\_\_:\_\_\_ (hh:mm)

Influenza antiviral 2

Influenza Antiviral 2 Name: \_\_\_\_\_

Influenza Antiviral 2 Route:  PO  IN  IV

Influenza Antiviral 2 Date administered: \_\_\_/\_\_\_/\_\_\_\_ (mm/dd/yyyy)

Influenza Antiviral 2 Time administered (24-hour clock): \_\_\_:\_\_\_ (hh:mm)

12. Did the subject receive a prescription for an influenza antiviral upon discharge?

No  Yes  Unknown  N/A, Subject not discharged

12a. If yes, how many? \_\_\_\_\_ influenza antiviral prescriptions

12b. Please list all influenza antivirals prescribed at discharge (up to two)

Antiviral 1: \_\_\_\_\_

Antiviral 2: \_\_\_\_\_

13. Did subject receive an antibiotic in the ED?  No  Yes  Unknown

13a. If yes, how many antibiotics were received? \_\_\_\_\_ antibiotics

For each antibiotic received, specify the antibiotic name, route of administration, and indication (Key:

PO = by mouth; IM = intramuscular; IV = intravenous)

Antibiotic 1

Antibiotic 1 Name: \_\_\_\_\_

Antibiotic 1 Route:  PO  IM  IV

Antibiotic 1 Indication: \_\_\_\_\_

Antibiotic 2

Antibiotic 2 Name: \_\_\_\_\_

Antibiotic 2 Route:  PO  IM  IV

Antibiotic 2 Indication: \_\_\_\_\_

Antibiotic 3

Antibiotic 3 Name: \_\_\_\_\_

Antibiotic 3 Route:  PO  IM  IV

Antibiotic 3 Indication: \_\_\_\_\_

14. Did the subject receive a prescription for an antibiotic upon discharge?

No  Yes  Unknown  N/A, Subject not discharged

14a. If yes, how many? \_\_\_\_\_ antibiotics upon discharge

14b. Please list all antibiotics prescribed at discharge and indication.

Discharge Antibiotic 1

Discharge Antibiotic 1 Name: \_\_\_\_\_

Discharge Antibiotic 1 Indication: \_\_\_\_\_

Discharge Antibiotic 2

Discharge Antibiotic 2 Name: \_\_\_\_\_

Discharge Antibiotic 2 Indication: \_\_\_\_\_

Discharge Antibiotic 3

Discharge Antibiotic 3 Name: \_\_\_\_\_

Discharge Antibiotic 3 Indication: \_\_\_\_\_

15. Did the subject have a Chest X-ray or a Chest CT performed in the ED?

 No  Yes  Unknown

If yes, based on the official read:

15a. Did it show a pulmonary infiltrate?

 No  Yes  Unknown

15b. Did it show consolidation?

 No  Yes  Unknown

15c. Did it show pleural effusions?

 No  Yes  Unknown

15d. Did the radiologist indicate suspicion of pneumonia?

 No  Yes  Unknown

16. Was the subject intubated in the ED?

 No  Yes  Unknown

17. Did the patient receive BiPAP or CPAP in the ED?

 No  Yes  Unknown

18. When the subject left the ED did they require supplemental oxygen?

 No  Yes  Unknown

18a. If yes, how much? \_\_\_\_\_ L/min

18b. What was the route?

 Nasal cannula  Facemask/non-rebreather  BiPAP/CPAP  Intubated

19. Did the subject die in the ED?

 No  Yes  Unknown

19a. If yes, date of death: \_\_\_ \_\_\_ / \_\_\_ \_\_\_ / \_\_\_ \_\_\_ \_\_\_ \_\_\_ (mm/dd/yyyy)

20. Did the subject have a final diagnosis of

20a. Influenza?

 No  Yes  Unknown

20b. Viral Syndrome or Infection?

 No  Yes  Unknown

20c. Pneumonia?

 No  Yes  Unknown

20d. Myocardial Infarction?

 No  Yes  Unknown

20e. Stroke?

 No  Yes  Unknown

21. How many final ED diagnoses did the subject have?

 1  2  3  more than three

List the ICD-9 codes for up to the first few final ED Diagnoses, up to the first three:

*(Do not list E or V codes)*

21a. Final ED Diagnosis Code 1: \_\_\_\_\_

21b. Final ED Diagnosis Code 2: \_\_\_\_\_

21c. Final ED Diagnosis Code 3: \_\_\_\_\_

22. What was the final subject disposition for this ED visit?

 ADMIT  DISCHARGE  ELOPE\*  OTHER*\*Elope includes elopement and left without being seen or against medical advice*

22a. If other, please specify: \_\_\_\_\_

24. If this subject had a final disposition of discharge, at any time during this ED visit were they placed in Observation?

 No  Yes  Unknown*For each additional ED Visit, as applicable, complete another ED Visit Chart Review form*