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***H1N1 Registry Pediatric***

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# REDCap Instructions

## Initiating a Patient in REDCap:

1. Enter website and log in:
2. Select “Patient” from the list of forms on the right of the screen.
3. Place cursor in: “**New Patient ID**” field and enter the patient H1N1 subject number.
  - a. The subject number will be 6 digits: first digit should always be “9”, the second two represent site number the last three digits are the chronologic patient number. **Example: if you are site 09 and you are entering your ninth H1N1 subject, the subject number will be 909009.**
  - b. After entering the subject number, hit the “tab” button on your keyboard.
4. Change the status to “complete” and select one of the save options:
  - a. “Save” will save the data and returns to the patient selection screen for the current form
  - b. “Save and continue” will save the patient into the system and keep the same form open.
  - c. “Save and go to next form” will save the patient data and automatically open the next CRF for this subject.

## Accessing an existing patient and entering/saving data:

1. From the “Patient” screen, select the patient you want from the “complete” or “incomplete” drop down menus. The list of forms on the right side of the screen will now appear with stop lights to indicate which forms that are complete (green) and incomplete (red) for this patient.
2. Once a patient is selected, clicking on the stop light in front of the form you wish to complete will open the form for that patient. **NOTE:** *clicking on the text of the form name rather than the stop light will allow you to complete this form for a different patient.*
3. Once you have completed entering the data, select complete or incomplete to indicate the form status and chose one of the save options from the bottom of the screen.

## Study Days Description:

The case report forms will ask for data from “ICU days rather than “study days”. ICU admission day refers to the day/date that the patient was admitted to the ICU. This day/date would also be considered “ICU day 1”.

**Example:** If a patient is admitted to the ICU on November 2, 2009 then November 2 would be "ICU admit day". November 4, 2009 would be ICU day 3.

# Section 1

## Case Definition and ICU Location

Complete form at baseline.

<p><b>1. Case definition: please choose confirmed or suspected.</b></p> <p>A <i>confirmed case</i> of influenza (any strain) virus infection is defined as a person with an acute illness admitted to an ICU with laboratory confirmed influenza A or B virus infection</p> <p>A <i>suspected case</i> of influenza virus infection is defined as a person admitted to the ICU without a positive influenza test but where the clinical team's suspicion for influenza was enough to treat empirically with anti-virals for influenza for the lesser of 5 days or until death. If another diagnosis is found to explain the patient's acute illness (e.g. RSV or <i>Legionella pneumophila</i>) then the person should NOT be considered a suspected case for this registry.</p>	<p><input type="checkbox"/> Confirmed case</p> <p><input type="checkbox"/> Suspected case</p>
<p><b>2. First 3 digits of patient's zip code:</b></p>	<p>___ ___ ___</p>
<p><b>3. Type of ICU:</b></p> <p>Select the option that indicates the patient's location on day 0 (first ICU day).</p>	<p><input type="checkbox"/> MICU or PICU</p> <p><input type="checkbox"/> SICU or Surgical PICU</p> <p><input type="checkbox"/> Cardiac SICU or PICU</p> <p><input type="checkbox"/> CCU</p> <p><input type="checkbox"/> Neuro ICU</p> <p><input type="checkbox"/> Burn ICU</p> <p><input type="checkbox"/> Trauma ICU</p> <p><input type="checkbox"/> Cancer Unit</p> <p><input type="checkbox"/> MICU/SICU</p> <p><input type="checkbox"/> NICU</p> <p><input type="checkbox"/> Other _____</p>

## Influenza Testing

Select all that apply; include all testing for influenza virus conducted during the ICU stay.

### Data collection form on next page

<p>1. Rapid Antigen Detection Tests done? Enter for all tests done (positive and negative)</p>	<p><input type="checkbox"/> Done <input type="checkbox"/> Not done <b>If test done:</b> a. Date of test: ___/___/___ b. Specimen Tested (check one): <input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue c. Results (select all that apply): <input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative</p>
<p>2. Direct Fluorescent Antibody Test (DFA) Enter for all tests done (positive and negative)</p>	<p><input type="checkbox"/> Done <input type="checkbox"/> Not done <b>If test done:</b> a. Date of test: ___/___/___ b. Specimen Tested (check one): <input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue c. Results (select all that apply): <input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative <input type="checkbox"/> Inconclusive or indeterminant</p>
<p>3. rtPCR Enter for all tests done (positive and negative)</p>	<p><input type="checkbox"/> Done <input type="checkbox"/> Not done <b>If test done:</b> a. Date of test: ___/___/___ b. Specimen Tested (check one): <input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab</p>

	<input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue  c. Results (select all that apply): <input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B <input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative
4. Viral Culture  Enter for all tests done (positive and negative)	<input type="checkbox"/> Done <input type="checkbox"/> Not done <b>If test done:</b> a. Date of test: ___/___/___  b. Specimen Tested (check one): <input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue  c. Results (select all that apply): <input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B <input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative

### Influenza testing data collection form

<b>Rapid Antigen Detection Test/EIA</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative
<b>Rapid Antigen Detection Test/EIA</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative
<b>Rapid Antigen Detection Test/EIA</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative
<b>Rapid Antigen Detection Test/EIA</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative
<b>Direct Fluorescent Antibody Test (DFA)</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative <input type="checkbox"/> Inconclusive or indeterminant
<b>Direct Fluorescent Antibody Test (DFA)</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative <input type="checkbox"/> Inconclusive or indeterminant
<b>Direct Fluorescent Antibody Test (DFA)</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative <input type="checkbox"/> Inconclusive or indeterminant

		<input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	
<b>Direct Fluorescent Antibody Test (DFA)</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Influenza A <input type="checkbox"/> Influenza B <input type="checkbox"/> Negative <input type="checkbox"/> Inconclusive or indeterminant
<b>rtPCR</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B <input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative
<b>rtPCR</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B <input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative
<b>rtPCR</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B <input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative
<b>rtPCR</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B <input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative
<b>Viral Culture</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab <input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B <input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative
<b>Viral Culture</b>		<input type="checkbox"/> Nasal swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Nasopharyngeal wash <input type="checkbox"/> Endotracheal aspirate <input type="checkbox"/> BAL <input type="checkbox"/> Throat swab	<input type="checkbox"/> Novel A (H1N1) <input type="checkbox"/> Seasonal A (H1N1) <input type="checkbox"/> Seasonal A (H3N2) <input type="checkbox"/> A, not subtyped <input type="checkbox"/> B

		<input type="checkbox"/> Sputum <input type="checkbox"/> Mixed Specimen <input type="checkbox"/> Lung tissue	<input type="checkbox"/> A/B not differentiated <input type="checkbox"/> Negative



## Section 2

### Baseline Variables Form

Complete form once at baseline.

1. Gender:	<input type="checkbox"/> Male <input type="checkbox"/> Female
2. Is patient age at time of ICU admission >2 years?	<input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter age in years: ____ years  If NO (patient < 2 years of age), enter age in months and days: ____ mos ____ days
3. Complete if patient is less than <u>1 year</u> of age at time of ICU admission:  a. Was patient born prematurely (less than 37 weeks gestation)?	<input type="checkbox"/> Yes <input type="checkbox"/> No  If YES, enter number of weeks gestation at birth: ____ wks Corrected gestational age at identification of influenza: ____ wks
4. Ethnicity:	<input type="checkbox"/> Hispanic or Latino <input type="checkbox"/> NOT Hispanic or Latino
5. Race: Select ALL that apply. <b>NOTE:</b> If the race(s) cannot be obtained, select <b>"not reported"</b> .	
American Indian	<input type="checkbox"/>
Alaskan Native	<input type="checkbox"/>
Asian	<input type="checkbox"/>
White (can be Hispanic or non-Hispanic)	<input type="checkbox"/>
Black or African Native (can be Hispanic or non-Hispanic)	<input type="checkbox"/>
Native Hawaiian or Pacifica Islander	<input type="checkbox"/>
Not reported	<input type="checkbox"/>
6. Healthcare worker?	<input type="checkbox"/> Yes <input type="checkbox"/> No
7. Weight in kg:	____ kg
8. Height in cm:	____ cm
9. Influenza vaccination: Select yes, no or unknown for all vaccinations listed.	
a. 2008/09 Season	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
b. 2009/10 Season	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
c. Swine H1N1 Vaccination	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
	If YES, how many doses received? <input type="checkbox"/> One <input type="checkbox"/> Two <input type="checkbox"/> Unknown

<b>10. Is date of onset of initial influenza symptoms KNOWN?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If YES ( <b>KNOWN</b> ), enter date:
<b>11. Clinical presentation on hospital admission day (select all that apply):</b>	
Lower respiratory infection	<input type="checkbox"/>
Suspected central nervous system infection	<input type="checkbox"/>
Shock requiring vasopressors	<input type="checkbox"/>
Respiratory failure	<input type="checkbox"/>
Cardiac arrest	<input type="checkbox"/>
<b>12. Clinical Features:</b> Features of Influenza Disease that patient experienced (select all that apply). <i>Please include all symptoms leading to the current illness, regardless of when they occurred.</i>	
Fever $\geq$ 100 F or 37.7 C	<input type="checkbox"/>
Cough	<input type="checkbox"/>
Shortness of breath	<input type="checkbox"/>
Chills	<input type="checkbox"/>
Wheezing	<input type="checkbox"/>
Sore throat	<input type="checkbox"/>
Rhinorrhea	<input type="checkbox"/>
Nausea	<input type="checkbox"/>
Vomiting	<input type="checkbox"/>
Diarrhea	<input type="checkbox"/>
Headache	<input type="checkbox"/>
Myalgias	<input type="checkbox"/>
Fatigue/Weakness	<input type="checkbox"/>
Altered awareness/confusion	<input type="checkbox"/>
Seizures	<input type="checkbox"/>
<b>13. Study Hospital admission date:</b>	
<b>14. Study hospital ICU admission date:</b>	
<b>14a. Patient Origin</b>	<input type="checkbox"/> Emergency Dept (your hospital) <input type="checkbox"/> Referring hospital Emergency Dept <input type="checkbox"/> Ward (your hospital) <input type="checkbox"/> Referring hospital ward <input type="checkbox"/> Referring hospital ICU <input type="checkbox"/> Operating room <input type="checkbox"/> Direct from home <input type="checkbox"/> Other
<b>15. If Patient referred from another hospital, date of referral hospital admission:</b>	
<b>16. If Patient referred from another hospital, date of referral ICU admission (if applicable):</b>	
<b>17. Healthy prior to present illness?</b>  <i>(Prior to present illness, was patient healthy, on no prescriptions, without underlying medical</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No  If no, complete co-morbidities (question 16).

conditions, and not dependent on any medical devices?)	
<b>18. Co-Morbidities present prior to this illness:</b>	
Select all co-morbidities that apply:	
Diabetes (Type I or II)	<input type="checkbox"/>
Ischemic heart disease/Angina	<input type="checkbox"/>
Other metabolic disorder (ACIP condition)	<input type="checkbox"/>
Congenital heart disease	<input type="checkbox"/> If selected, <input type="checkbox"/> Cyanotic, unrepaired or palliated <input type="checkbox"/> Non-cyanotic or complete repair
Arrhythmia	<input type="checkbox"/>
Hypertension	<input type="checkbox"/>
Peripheral vascular disease	<input type="checkbox"/>
Congestive heart failure	<input type="checkbox"/>
Valvular heart disease	<input type="checkbox"/>
Cerebrovascular disease	<input type="checkbox"/>
COPD	<input type="checkbox"/>
Asthma or reactive airway disease	<input type="checkbox"/> If selected, on weekly controller medications? <input type="checkbox"/> Yes <input type="checkbox"/> No
Bronchopulmonary dysplasia	<input type="checkbox"/>
Other chronic lung disease (including severe restrictive lung disease)	<input type="checkbox"/>
Gastrointestinal disease	<input type="checkbox"/>
Cirrhosis of the liver	<input type="checkbox"/>
Chronic renal insufficiency	<input type="checkbox"/>
Cerebral palsy	<input type="checkbox"/>
Developmental delay/cognitive disorder	<input type="checkbox"/>
Seizure disorder	<input type="checkbox"/>
Other neurological/neuromuscular disease that could impair clearance of secretions	<input type="checkbox"/>
Spina bifida	<input type="checkbox"/>
Sickle cell or other hemoglobinopathy	<input type="checkbox"/>
Current (or active) Metastatic solid cancer	<input type="checkbox"/>
Current (or active) Hematologic malignancy	<input type="checkbox"/>
HIV	<input type="checkbox"/>
Intravenous Drug Abuse (IVDA)	<input type="checkbox"/>
Pregnant	<input type="checkbox"/>
Renal failure requiring dialysis	<input type="checkbox"/>
Other immunosuppression (such as bone marrow or organ transplant)	<input type="checkbox"/>
Chronic ventilator support	<input type="checkbox"/> ≤ 12 hours per day <input type="checkbox"/> > 12 hours per day
Tracheostomy	<input type="checkbox"/>
<b>19. Tobacco use (select one):</b>	<input type="checkbox"/> Past smoker (i.e. Daily Tobacco use ever but not currently) <input type="checkbox"/> Current Smoker (i.e. Daily Tobacco use during month prior to admission)

	<input type="checkbox"/> Secondhand Smoke (i.e. Current exposure to tobacco in house) <input type="checkbox"/> None/Unknown
<b>20. Alcohol abuse (select one)?</b> Answer if age > 12 years	<input type="checkbox"/> Past ETOH abuse (i.e. Past abuse ever but not currently) <input type="checkbox"/> Current ETOH abuse (i.e. >= 4 drinks per day) <input type="checkbox"/> None/Unknown
<b>21. Medications on hospital admission:</b> Select all medications that patient was on <b>at home prior to admission.</b>	
Aspirin (any dose)	<input type="checkbox"/>
Non-steroidal anti-inflammatories (ibuprofen, Naprosyn, etc.)	<input type="checkbox"/>
Statin (i.e. atorvastatin, cerivastatin, fluvastatin, lovastatin, mevastatin, pitavastatin, pravastatin, rosuvastatin, simvastatin)	<input type="checkbox"/>
Corticosteroids > 20mg/day prednisone equivalent for adults and > 0.3 mg/kg/day for patients < 18 years old <b>for any duration within 6 months of ICU admission?</b>	<input type="checkbox"/>
Other immunosuppressives chemo, mtx, azathioprine, fk506, tacrolimus, sirilimus	<input type="checkbox"/>
Angiotensin converting enzyme inhibitors (i.e. benazepril, captopril, enalapril, fosinopril, lisinopril, perindopril, quinapril, ramipril, zofenopril)	<input type="checkbox"/>
Anti-influenzals (i.e. amantadine, oseltamivir, paramivir, rimantadine, zanamivir)	<input type="checkbox"/> If selected, enter date started:
<b>22. APACHE II Score if age ≥ 18</b>	
<b>23. Baseline lab values (closest to ICU admission +/- 2 days):</b> Enter available lab values from ICU admission day. If no values available on ICU admission day, select the values closest to ICU admission from <b>up to 2 days before and after ICU admission.</b>	
a. Creatinine	mg/dL
b. Total Bilirubin	mg/dL
c. CPK (creatinine phosphokinase)	U/L
d. WBC Count	mm <sup>3</sup>
e. Polys (PMN/Neutrophils)	%
f. Lymphs	%
g. Eos	%
h. Mono/Mac	%
i. Other	%
j. Platelets	x 10 <sup>9</sup> /mL

## **PRISM SCORE**

Obtain WORST values from the first 24 hours in the ICU.

1. Age category:	<input type="checkbox"/> Neonate <input type="checkbox"/> Infant <input type="checkbox"/> Child <input type="checkbox"/> Adolescent
2. Systolic BP:	mmHg
3. Temperature:	C
4. Heart rate:	b/m
5. Pupillary reflexes:	<input type="checkbox"/> N/A <input type="checkbox"/> 1 fixed, 1 reactive <input type="checkbox"/> both fixed
6. GCS (lowest):	
7. Platelet count:	$10^9/L$
8. Total CO <sub>2</sub> :	
9. pH (alkalosis):	
10. PaO <sub>2</sub> :	mmHg
11. PaCO <sub>2</sub> :	mmHg
12. Glucose:	mg/dL
13. Potassium:	mEq/L
14. Creatinine:	mg/dL
15. BUN:	mg/dL
16. WBC:	cells/mm <sup>3</sup>
17. pH or CO <sub>2</sub> (acidosis):	
18. PT or PTT:	seconds

## **Admission Assessment and Treatment Form**

Complete this form for ICU admission day.

Use values closest to time following ICU admission (may use values right before admission if on transport or from the ED).

1. Temperature (Celsius):	° Celsius
2. Heart rate:	Beats/min
3. Respiratory rate:	Beats/min
4. Systolic Blood Pressure	mmHg
5. Diastolic Blood Pressure	mmHg
6. Vasopressor dose at time of ICU admission?	<input type="checkbox"/> None <input type="checkbox"/> Dopamine <5 ug/kg/min or dobutamine at any dose <input type="checkbox"/> Dopamine >= 5 ug/kg/min or norepi/epi <=0.1 ug/kg/min or phenylephrine <= 0.5 ug/kg/min <input type="checkbox"/> Dopamine > 15 ug/kg/min or norepi/epi > 0.1 ug/kg/min or phenylephrine > 0.5 ug/kg/min
7. P/F (closest to ICU admission):	
8. SaO <sub>2</sub> /FiO <sub>2</sub> closest to ICU admission: (if no P/F available on day of ICU admit)  <i>Example: If SpO<sub>2</sub> is 85 % on 100 % oxygen, the S/F is 85/1.00 or 85</i>	
9. Glasgow Coma Score: (3-15)	
10. Chest x-ray done on ICU admission day? (+/- 1 day)	<input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter # of quadrants with infiltrates: _____
11. Did patient receive invasive ventilation on ICU admission day?	<input type="checkbox"/> Yes <input type="checkbox"/> No
12. Did patient receive non-invasive ventilation on ICU admission day?	<input type="checkbox"/> Yes <input type="checkbox"/> No
13. Is patient on DIALYSIS on ICU admission day?	<input type="checkbox"/> Yes <input type="checkbox"/> No
14. Is patient on ECMO on ICU admission day?	<input type="checkbox"/> Yes <input type="checkbox"/> No

## Section 3: Intermittent Updates

### Day Three Vital Status and Organ Failure Form

- Complete information for ICU day 3.
- Use available values closest to 8 AM.
- If the answer to question 2 = NO, then you do not need to complete the day 7, 14 or 28 vital status forms.
- If labs or other results are NOT available for day 3, leave blank.

1. Did patient receive Dialysis on any of ICU days 1-3?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Is patient still in the ICU?	<input type="checkbox"/> Yes <input type="checkbox"/> No
a. If YES (still in ICU), did patient receive invasive ventilation on ICU day 3?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If YES (still in ICU), did patient receive non-invasive ventilation on ICU day 3?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. If NO (not in ICU), was patient discharged from ICU alive or dead?*	<input type="checkbox"/> Alive <input type="checkbox"/> Dead
* If no longer in ICU, complete d-f below on this form and go to ICU Summary form	
d. If discharged from ICU alive, date of ICU discharge:	Date: _____ Did patient die after ICU d/c but before day 3? <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Creatinine:	mg/dL
4. Total Bilirubin:	mg/dL
5. Platelets:	x 10 <sup>9</sup> /mL
6. Systolic Blood Pressure	mmHg
7. Diastolic Blood Pressure	mmHg
8. Vasopressor dose at 0800 on ICU day 3:	<input type="checkbox"/> None <input type="checkbox"/> Dopamine <5 ug/kg/min or dobutamine at any dose <input type="checkbox"/> Dopamine ≥ 5 ug/kg/min or norepi/epi ≤ 0.1 ug/kg/min or phenylephrine ≤ 0.5 ug/kg/min <input type="checkbox"/> Dopamine > 15 ug/kg/min or norepi/epi > 0.1 ug/kg/min or phenylephrine > 0.5 ug/kg/min

9. P/F closest to 0800 on day 3	
10. PEEP closest to 0800 on day 3	cm H20
11. SaO2/FiO2 closest to 0800 on day 3	
12. Glasgow Coma Score: (3-15)	
13. Did patient receive ECMO on any day during days 1-3?	<input type="checkbox"/> Yes <input type="checkbox"/> No # days any ECMO _____



## Day Seven Vital Status and Organ Failure Form

- Complete information for ICU day 7.
- Use available values closest to 8 AM.
- If the answer to question 2 = NO, then you do not need to complete the day 14 or 28 vital status forms.
- If labs or other results are NOT available for day 7, leave blank.

<b>1. Did patient receive Dialysis on any day 4-7?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2. Is patient still in the ICU?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>e. If YES (still in ICU), did patient receive invasive ventilation on ICU day 7?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>f. If YES (still in ICU), did patient receive non-invasive ventilation on ICU day 7?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>a. If NO (not in ICU), was patient discharged from ICU alive or dead?*</b> * If no longer in ICU, complete d-f below on this form and go to ICU Summary form	<input type="checkbox"/> Alive <input type="checkbox"/> Dead
<b>b. If discharged from ICU alive, date of ICU discharge:</b>	Date: _____ <b>Did patient die after ICU d/c but before day 7?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>3. Creatinine:</b>	mg/dL
<b>4. Total Bilirubin:</b>	mg/dL
<b>5. Platelets:</b>	x 10 <sup>9</sup> /mL
<b>6. Systolic Blood Pressure</b>	mmHg
<b>7. Diastolic Blood Pressure</b>	mmHg
<b>8. Vasopressor dose at 0800 on ICU day 7:</b>	<input type="checkbox"/> None <input type="checkbox"/> Dopamine <5 ug/kg/min or dobutamine at any dose <input type="checkbox"/> Dopamine >= 5 ug/kg/min or norepi/epi </=0.1 ug/kg/min or phenylephrine </= 0.5 ug/kg/min <input type="checkbox"/> Dopamine > 15 ug/kg/min or norepi/epi > 0.1 ug/kg/min or phenylephrine > 0.5 ug/kg/min

9. P/F closest to 0800 on day 7	
10. PEEP closest to 0800 on day 7	cm H20
11. SaO2/FiO2 closest to 0800 on day 7  <i>Example: If SpO2 is 85 % on 100 % oxygen, the S/F is 85/1.00 or 85</i>	
12. Glasgow Coma Score: (3-15)	
13. Did patient receive ECMO on any day during days 4-7?	<input type="checkbox"/> Yes <input type="checkbox"/> No # days any ECMO _____

## Day 14 Vital Status and Organ Failure Form

- Complete information for ICU day 14.
- Use available values closest to 8 AM.
- If the answer to question 2 = NO, then you do not need to complete the day 28 vital status forms.
- If labs or other results are NOT available for day 14, leave blank.

<b>1. Did patient receive Dialysis on any days 8-14?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2. Is patient still in the ICU?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>g. If YES (still in ICU), did patient receive invasive ventilation on ICU day 14?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>h. If YES (still in ICU), did patient receive non-invasive ventilation on ICU day 14?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>a. If NO (not in ICU), was patient discharged from ICU alive or dead?*</b> * If no longer in ICU, complete d-f below on this form and go to ICU Summary form	<input type="checkbox"/> Alive <input type="checkbox"/> Dead
<b>b. If discharged from ICU alive, date of ICU discharge:</b>	Date: _____ <b>Did patient die after ICU d/c but before day 14?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>3. Creatinine:</b>	mg/dL
<b>4. Total Bilirubin:</b>	mg/dL
<b>5. Platelets:</b>	x 10 <sup>9</sup> /mL
<b>6. Systolic Blood Pressure</b>	mmHg
<b>7. Diastolic Blood Pressure</b>	mmHg
<b>8. Vasopressor dose at 0800 on ICU day 14:</b>	<input type="checkbox"/> None <input type="checkbox"/> Dopamine <5 ug/kg/min or dobutamine at any dose <input type="checkbox"/> Dopamine >= 5 ug/kg/min or norepi/epi <=0.1 ug/kg/min or phenylephrine <= 0.5 ug/kg/min <input type="checkbox"/> Dopamine > 15 ug/kg/min or norepi/epi > 0.1 ug/kg/min or phenylephrine > 0.5 ug/kg/min

9. P/F closest to 0800 on day 14	
10. PEEP closest to 0800 on day 14	cm H20
11. SaO2/FiO2 closest to 0800 on day 14  <i>Example: If SpO2 is 85 % on 100 % oxygen, the S/F is 85/1.00 or 85</i>	
12. Glasgow Coma Score: (3-15)	
13. Did patient receive ECMO on any day during days 8-14?	<input type="checkbox"/> Yes <input type="checkbox"/> No # days any ECMO _____

## **Day 28 Vital Status**

Complete for ICU day 28.

Please complete ICU Summary form once this form complete.

1. Is patient still in the ICU?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If NO (not in ICU), was patient discharged from ICU alive or dead?	<input type="checkbox"/> Alive <input type="checkbox"/> Dead
3. If discharged from ICU alive, date of ICU discharge:	Date: _____ <b>Did patient die after ICU d/c but before day 28?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No

## Severe Hypoxia

Complete for all subjects after ICU day 7.

If question 1= NO, form complete.

<p>1. Did patient receive PEEP of <math>\geq 15</math> for 2 or more consecutive hours between ICU admit and ICU day 7? <b>or</b> Was patient on high-frequency oscillatory ventilation with mean airway pressure <math>\geq 30</math> for 2 or more consecutive hours between ICU admit and ICU day 7?</p>	<p><input type="checkbox"/> No <input type="checkbox"/> PEEP <math>\geq 15</math> <input type="checkbox"/> HFOV with MAP <math>\geq 30</math></p>
<p>2. HIGHEST PEEP between ICU admit and ICU day 7 (which occurred during a 2 hour period of PEEP <math>\geq 15</math>)? <b>OR</b> If on high-frequency oscillatory ventilation during that time, what was the highest mean airway pressure between ICU admit and ICU day 7 (which occurred during a 2 hour period of mean airway pressure <math>\geq 30</math>)?</p>	<p>_____ cm H<sub>2</sub>O</p>
<p>3. Mode of ventilation:</p>	<p><input type="checkbox"/> Assist-control (A/C), controlled mechanical ventilation (CMV), or pressure-regulated volume control (PRVC) <input type="checkbox"/> Pressure control (PCV) <input type="checkbox"/> Pressure support (PSV) <input type="checkbox"/> Continuous positive airway pressure (CPAP) <input type="checkbox"/> High-frequency ventilation (HFOV) <input type="checkbox"/> Other (specify):</p>
<p>4. Highest FiO<sub>2</sub></p>	
<p>5. Closest PaO<sub>2</sub> in the 3 hours before and after the FiO<sub>2</sub> in previous question:</p>	
<p>6. Closest SaO<sub>2</sub> (if no PaO<sub>2</sub>) in the 3 hours before and after the FiO<sub>2</sub>:</p>	
<p>7. Plateau pressure if on volume ventilation (A/C, CMV, or PRVC) <b>or</b> End inspiratory pressure if on pressure targeted ventilation (PCV, PSV, or CPAP)</p>	
<p>8. Mean airway pressure (if on HFOV)</p>	
<p>9. Did the following occur at any time between ICU admit and the time of PEEP <math>\geq 15</math> for at least 2 consecutive hours or HFOV with mean alveolar pressure <math>\geq 30</math> for at least 2 hours? (select all that apply)</p>	<p>: _____ Highest aPTT(seconds): _____ Lowest platelets (<math>\times 10^9</math>/ml): _____ <input type="checkbox"/> Known _____ hemorrhage <input type="checkbox"/> Not committed to full support <input type="checkbox"/> Irreversible brain injury</p>

## ICU Summary Form

Complete when patient is deceased, is discharged from the ICU, or on ICU day 28 (whichever occurs first).

<b>1. Was influenza confirmed by positive laboratory test?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If YES, please update Section 1 of CRF.
Respiratory Summary	
<b>2. Date of first Intubation or initiation of mechanical ventilation through trach?</b>	___/___/___ <input type="checkbox"/> Never Intubated
<b>3. Date of final Extubation?</b>	___/___/___ <input type="checkbox"/> Never Extubated
<b>3a. Total Days on Noninvasive Ventilation at any time PRIOR TO intubation</b> <i>Use decimals for partial days</i>	_____ <input type="checkbox"/> None
<b>3b. Total Days on Noninvasive Ventilation at any time AFTER extubation</b> <i>Use decimals for partial days</i>	_____ <input type="checkbox"/> None
<b>4. Was patient ever re-admitted to the ICU after the initial ICU discharge?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If Yes, Date of re-admit:
<b>Reason for re-admit:</b>	<input type="checkbox"/> Lower respiratory infection <input type="checkbox"/> Suspected central nervous system infection <input type="checkbox"/> Shock requiring vasopressors <input type="checkbox"/> Respiratory failure <input type="checkbox"/> Cardiac arrest <input type="checkbox"/> Other: _____
<b>Was patient discharged from ICU a second time?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, Date of d/c:
<b>5. Was patient re-admitted again to the ICU?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Date of re-admit:
<b>Reason for re-admit:</b>	<input type="checkbox"/> Lower respiratory infection <input type="checkbox"/> Suspected central nervous system infection <input type="checkbox"/> Shock requiring vasopressors <input type="checkbox"/> Respiratory failure <input type="checkbox"/> Cardiac arrest <input type="checkbox"/> Other: _____
<b>Was patient discharged again from ICU?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, Date of d/c:
<b>6. Empyema requiring thoracostomy drainage or VATS?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No

<b>7. Clinical Diagnosis of Bacterial Pneumonia or superinfection?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
a. If <b>question #5 yes</b> , was diagnosis of bacterial pneumonia or other evidence of bacterial superinfection present within 72 hours of ICU admission?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If <b>question #5 yes</b> , was bacterial pathogen identified from respiratory secretions?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, date of positive culture: ___/___/___ <b>If yes, select Yes or no for each pathogen:</b> <input type="checkbox"/> Staph aureus (methicillin resistant) <input type="checkbox"/> Staph aureus (methicillin sensitive) <input type="checkbox"/> Group A strep <input type="checkbox"/> Strep pneumoniae <input type="checkbox"/> Pseudomonas Species <input type="checkbox"/> Hemophilus influenza <input type="checkbox"/> M.cattarhalis <input type="checkbox"/> RSV <input type="checkbox"/> Other Virus <input type="checkbox"/> other _____
<b>5a Any positive non-influenza viral tests within the first 72 hours of admission</b>	<input type="checkbox"/> RSV <input type="checkbox"/> Parainfluenza <input type="checkbox"/> Human metapneumovirus <input type="checkbox"/> Adenovirus <input type="checkbox"/> Other Virus
<b>5b Was the patient diagnosed with a nosocomial infection during the ICU stay to day 28 using CDC, NACHRI or other surveillance definitions?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <input type="checkbox"/> Ventilator associated pneumonia <input type="checkbox"/> Secondary viral lower respiratory infection <input type="checkbox"/> Catheter associated bloodstream infection <input type="checkbox"/> Urinary tract infection
Non-Respiratory Summary	
<b>8. Any positive <u>blood culture</u> for bacteria in the first 72 hours of admission??</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, indicate pathogen(s): <input type="checkbox"/> Staph aureus (methicillin resistant) <input type="checkbox"/> Staph aureus (methicillin sensitive) <input type="checkbox"/> Group A strep <input type="checkbox"/> Strep pneumoniae <input type="checkbox"/> Pseudomonas Species <input type="checkbox"/> Hemophilus influenza <input type="checkbox"/> M.cattarhalis <input type="checkbox"/> Other Virus <input type="checkbox"/> other _____



<p><b>9. Echo done during first 5 days of hospital stay?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p><b>If yes:</b>  Worst LVEF _____ %  Highest RVSP _____ (mmHg)</p>
<p><b>10. Seizure during ICU stay?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>11. Was the patient diagnosed with myocarditis?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>If yes, was myocarditis the major clinical diagnosis underlying the patient's reason for ICU admission?</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>12. Encephalitis by MRI or high CSF protein or clinical diagnosis by neurologist?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>13. Confirmed deep venous thrombosis or pulmonary embolism during hospital stay?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>If yes, was this related to a central venous catheter?</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>14. Did patient receive tracheostomy during ICU stay?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>15. Was patient on dialysis on day 28 or ICU DC</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>16. Was patient pregnant on admission?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>If YES, indicate outcome of pregnancy:</p> <p><input type="checkbox"/> Spontaneous abortion/miscarriage  <input type="checkbox"/> Maintained intrauterine viable fetus  <input type="checkbox"/> Normal vaginal delivery  <input type="checkbox"/> Caesarean delivery</p> <p>If Vaginal or Caesarean delivery did infant survive to hospital d/c?</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Was the infant term (i.e. &gt;36wks)</p> <p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>17. Experimental/Adjunctive therapies received during ICU stay? (Pick all that apply)</b></p>	
<p>a. Nitric oxide or inhaled epoprostenol</p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p>b. ECMO and variants</p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No    # days _____</p>
<p>c. High Frequency Ventilation</p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No    # days _____</p>
<p>d. High dose corticosteroids at any time excluding for airway edema around extubation:  &gt;= 2 mg/kg/day methylprednisolone or prednisone or stress dose hydrocortisone</p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No</p>

>= 0.5 mg/kg/day dexamethasone	
e. Prone ventilation	<input type="checkbox"/> Yes <input type="checkbox"/> No
f. Drotrecogin-alfa (activated)	<input type="checkbox"/> Yes <input type="checkbox"/> No
g. Intravenous Immune globulin (IVIG)	<input type="checkbox"/> Yes <input type="checkbox"/> No
h. Intravenous Immune plasma	<input type="checkbox"/> Yes <input type="checkbox"/> No
i. Fresh frozen plasma (for any indication)	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>16. Highest Total CPK</b> during hospitalization:	U/L <input type="checkbox"/> Not measured
<b>17. Highest Troponin level</b> during hospitalization:	_____ <input type="checkbox"/> Not measured
<b>18. Highest creatinine value</b> during hospitalization:	_____ mg/dL
<b>19. Highest bilirubin value</b> during hospitalization:	_____ mg/dL
<b>20. Lowest platelet value</b> during hospitalization:	_____ x 10 <sup>9</sup> /mL

## Section 4

### Antiviral Form

Select yes or no to indicate whether these antivirals were administered **during the ICU stay**.  
If yes, indicate the **number of ICU days** each medication was administered and indicate all routes that apply.

<p><b>1. Oseltamivir (Tamiflu)</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No If YES, a. Enter # of ICU days antiviral received: _____</p> <p>b. Select route (select all that apply): <input type="checkbox"/> IV <input type="checkbox"/> Oral/enteral <input type="checkbox"/> Inhaled</p> <p>c. Average Daily Dose <input type="checkbox"/> 75 mg bid <input type="checkbox"/> 150 mg bid <input type="checkbox"/> Other: _____ mg/kg/day</p>
<p><b>2. Zanamivir (Relenza)</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No If YES, a. Enter # of ICU days antiviral received: _____</p> <p>b. Select route (select all that apply): <input type="checkbox"/> IV <input type="checkbox"/> Oral/enteral <input type="checkbox"/> Inhaled</p>
<p><b>3. Peramivir</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No If YES, a. Enter # of ICU days antiviral received: _____</p> <p>b. Select route (select all that apply): <input type="checkbox"/> IV <input type="checkbox"/> Oral/enteral <input type="checkbox"/> Inhaled</p>
<p><b>4. Amantadine (Symmetrel)</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No If YES, a. Enter # of ICU days antiviral received: _____</p> <p>b. Select route (select all that apply): <input type="checkbox"/> IV <input type="checkbox"/> Oral/enteral <input type="checkbox"/> Inhaled</p>
<p><b>5. Rimantadine (Flumadine)</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No If YES, a. Enter # of ICU days antiviral received: _____</p> <p>b. Select route (select all that apply): <input type="checkbox"/> IV <input type="checkbox"/> Oral/enteral <input type="checkbox"/> Inhaled</p>

<p><b>6. Ribavirin</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No  If YES,  c. Enter # of ICU days antiviral received:  _____</p> <p>d. Select route (select all that apply):  <input type="checkbox"/> IV  <input type="checkbox"/> Oral/enteral  <input type="checkbox"/> Inhaled</p>
<p><b>7. Other influenza antiviral</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No  If YES,  Name of antiviral _____</p> <p>a. Enter # of ICU days antiviral received:  _____</p> <p>b. Select route (select all that apply):  <input type="checkbox"/> IV  <input type="checkbox"/> Oral/enteral  <input type="checkbox"/> Inhaled</p>

## Section 5

### *Hospital Outcomes to Day 90*

Complete for all patients.

<p><b>1. Still alive and in study hospital at day 90? (if yes, answer and then skip questions below)</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No          If yes, still in ICU?  <input type="checkbox"/> Yes, in ICU  <input type="checkbox"/> No, stepdown or intermediate care unit  <input type="checkbox"/> No, hospital ward</p>
<p><b>2. Discharged alive from study hospital on or before day 90?</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No          If yes, date of hospital discharge: _____           If yes, discharged to:  <input type="checkbox"/> Home  <input type="checkbox"/> Other acute hospital  <input type="checkbox"/> Rehabilitation hospital  <input type="checkbox"/> Other</p>
<p><b>3. Deceased in study hospital on or before day 90?</b></p> <p><b>Was an autopsy performed? If yes, please fax a deidentified copy or attach as pdf</b></p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No          If yes, date of death: _____           ___/___/___  <input type="checkbox"/> Yes    <input type="checkbox"/> No</p>
<p><b>4. Cause of death (if applicable):</b></p>	<p><input type="checkbox"/> Primary respiratory  <input type="checkbox"/> Primary cardiac  <input type="checkbox"/> Multiorgan Failure  <input type="checkbox"/> Brain death or severe brain injury  <input type="checkbox"/> Other _____</p>
<p><b>5. Was the patient's death thought to be related to the influenza infection?</b></p>	<p><input type="checkbox"/> Definitely related – death was a direct result of complications from the initial infection  <input type="checkbox"/> Possibly related  <input type="checkbox"/> Unrelated (recurrent malignancy, died of fatal, progressive underlying chronic condition)  <input type="checkbox"/> Unsure</p>