This document contains the required and optional minimum data fields for data associated with human surveillance studies. The NIAID CEIRS centers must send surveillance data to Influenza Research Database (www.fludb.org) in the format detailed below. Fields will be evaluated and revised on a semi-annual basis.

How to interpret the document:

**BOLD:** Name of field

**ITALICS:** Definition of field, format for values of this field, and curation to be carried out on data.

# REQUIRED FIELDS

1. **Collector Name (REQUIRED)**
   
   **Definition:** The name of the person collecting the sample
   
   **Format:** Text (“U” if name is not known)
   
   **Curation:** none

2. **Collecting Institution (REQUIRED)**

   **Definition:** Code of the institution to which the person collecting the sample belongs. Codes will be assigned by NIAID/IRD
   
   **Format:** Text
   
   **Curation:** none

3. **Country (REQUIRED)**

   **Definition:** Country in which case was enrolled
   
   **Format:** Value must be found on the approved list used by NCBI and found at the NCBI web site: http://www.ncbi.nlm.nih.gov/projects/collab/country.html
   
   **Curation:** Must appear in NCBI country codes as above

4. **State/Province (REQUIRED)**

   **Definition:** Full name of the state/province in which case was enrolled
   
   **Format:** Text/Unknown
   
   **Curation:** Must be the non-abbreviated form of the state or province.

5. **Host Unique Identifier (REQUIRED)**

   **Definition:** An identifier assigned by the CEIRS surveillance sites to maintain patient privacy. If multiple samples are collected from a subject, then all must be linked to the same unique identifier.
Format: Free form. Up to 50 characters of any combination of alphanumeric characters and all special characters except single quote, double quote, percent and period.

Curation: None

6. Gender (REQUIRED)
Definition: Gender of the subject.
Format: (M)ale/(F)emale
Curation: Must be one of the two allowed values: M/F

7. Age (REQUIRED)
Definition: Age of the subject when first enrolled in the study in whole number years if three or older. If less than three submit in the format, 1 month/12 = 0.0833 years or 35 months/12 = 2.916 years.
Format: Number
Curation: No curation

8. Ethnicity (REQUIRED)
Definition: Ethnicity of the subject, in the sense used by the US Census in which “Hispanic or Latino” is an ethnicity as opposed to a race. For clarification regarding ethnicity reporting requirement please see the following link: http://www.whitehouse.gov/omb/rewrite/fedreg/ombdir15.html.
Format: Hispanic or Latino? (Y/N)
Curation: Must be one of the two allowed values: Y/N

9. Race (REQUIRED)
Definition: The subject’s self-definition of their race from among the given choices. For clarification regarding race reporting requirements please see the following link: http://www.whitehouse.gov/omb/rewrite/fedreg/ombdir15.html.
Format: American Indian or Alaska Native, Asian, Native Hawaiian or Other Pacific Islander, Black or African American, White, (NA) Not Applicable
Curation: Must be one of the six allowed values.

*****REPEAT 9 if more than one race applies.******

10. Longitudinal study:
Definition: Notifies IRD whether this host is part of a longitudinal study.
Format: Y/N
Curation: Must be one of the allowed values.

11. Pregnancy (REQUIRED)
Definition: The period from conception to birth when a woman carries a developing fetus in her uterus. Is the subject pregnant at the time of sampling?
Format: (Y)es/(N)o/(U)known.
Curation: Must be one of the three allowed values: Y/N/U

12. (if Pregnancy = Y then) Trimester of pregnancy (REQUIRED)
13. **Obesity (REQUIRED)**

*Definition:* Having a high amount of body fat. A person is considered obese if he or she has a body mass index (BMI) of 30 or greater. Is the subject considered obese at the time of sampling?

*Format:* (Y)es/(N)o/(U)nknown

*Curation:* Must be one of the three allowed values: Y/N/U

14. **Date of Illness Onset (REQUIRED)**

*Definition:* Date subject showed an onset of symptoms.

*Format:* (d)d-first 3 letters of month-yyyy

*Curation:* Leading 0 of dd need not be provided; years must have four digits; month must match the first three (3) letters of the month of the alphabet; checked for out-of-range dates. This ensures that there is no ambiguity with formats of dates from different regions of the world.

15. **Duration of Illness (REQUIRED)**

*Definition:* How long the illness lasted in days.

*Format:* Number

*Curation:* no curation

16. **Influenza like Illness at the time of sample collection? (REQUIRED)**

*Definition:* Is the subject at the time of sample collection considered to be exhibiting influenza like illness?

*Format:* (Y)es/(N)o/(U)nknown

*Curation:* Must be one of the three allowed values: Y/N/U

17. **Hospitalized (REQUIRED)**

*Definition:* Was the subject confined to a hospital as a result of influenza infection or problems occurring secondary to influenza virus infection?

*Format:* (Y)es/(N)o/(U)nknown/ NA

*Curation:* Must be one of the allowed values

18. **Antiviral Treatment (REQUIRED)**

*Definition:* Influenza antiviral treatment used for this subject.

*Format:* text (ex. Zanamavir Oseltamivir, Amantadine, Rimantadine, Other, None, Unknown

*Curation:* None

*****REPEAT 18 if multiple treatments were administered.*****

19. **Disease Outcome (REQUIRED)**

*Definition:* The resulting health of the subject after influenza infection.

*Format:* (R)ecovered, (RS)ecovered with sequelae, (D)ied, (U)nknown
20. Influenza Vaccination Type (REQUIRED)
   
   **Definition:** Influenza vaccinations that have been administered over the last year.
   
   **Format:** text (ex. TIV, Flumist, 2009 H1N1 TIV, 2009 H1N1 Flumist, H5N1, None, Unknown)
   
   **Curation:** Must be one of the allowed values: R/RS/D/U

21. Influenza Vaccination Date (REQUIRED)
   
   **Definition:** Date that the influenza vaccination was administered over the past year.
   
   **Format:** text -- (d)d-first 3 letters of month-yyyy or “U” if unavailable
   
   **Curation:** Leading 0 of dd need not be provided; years must have four digits; month must match the first three (3) letters of the month of the alphabet; checked for out-of-range dates.

22. Source of above Vaccine Information (REQUIRED)
   
   **Definition:** Designation of information related to vaccine history as self reported or documented.
   
   **Format:** (SR) Self Reported/(D)ocumented/(U)nknown/ NA
   
   **Curation:** Must be one of the allowed values

*****REPEAT 20-22 if multiple vaccination types were administered******

23. Fever (REQUIRED)
   
   **Definition:** Did the subject have a fever during the course of the illness? The clinician on site taking the temperature should determine the definition of a fever.
   
   **Format:** (Y)es/(N)o/(U)nknown/ NA (not applicable).
   
   **Curation:** Must be one of the allowed values

24. Malaise (REQUIRED)
   
   **Definition:** Did the subject report feeling of general bodily discomfort, fatigue or unpleasantness, often at the onset of illness?
   
   **Format:** (Y)es/(N)o/(U)nknown/ NA.
   
   **Curation:** Must be one of the allowed values:

25. Myalgia (REQUIRED)
   
   **Definition:** Did the subject report pain in a muscle or group of muscles?
   
   **Format:** (Y)es/(N)o/(U)nknown/ NA.
   
   **Curation:** Must be one of the allowed values:

26. Headache (REQUIRED)
   
   **Definition:** Did the subject report pain or discomfort in the head or face area?
   
   **Format:** (Y)es/(N)o/(U)nknown/NA.
   
   **Curation:** Must be one of the allowed values

27. Runny Nose (REQUIRED)
   
   **Definition:** Did the subject report an unusually significant amount of nasal fluid?
   
   **Format:** (Y)es/(N)o/(U)nknown/NA.
   
   **Curation:** Must be one of the allowed values
28. Nausea (REQUIRED)
   Definition: Did the subject report the feeling of wanting to vomit?
   Format: (Y)es/(N)o/(U)known/NA.
   Curation: Must be one of the allowed values

29. Diarrhea (REQUIRED)
   Definition: Did the subject report frequent and watery bowel movements?
   Format: (Y)es/(N)o/(U)known/NA.
   Curation: Must be one of the allowed values

30. Sore Throat (REQUIRED)
   Definition: Did the subject report inflammation or discomfort of the throat or pharynx?
   Format: (Y)es/(N)o/(U)known/NA.
   Curation: Must be one of the allowed values

31. Cough (REQUIRED)
   Definition: Did the subject report sudden and often repetitively occurring defense reflex which helps to clear the large breathing passages from excess secretions, irritants, foreign particles and microbes?
   Format: (Y)es/(N)o/(U)known/NA.
   Curation: Must be one of the allowed values

32. Shortness_of_Breath (REQUIRED)
   Definition: Did the subject report abnormal difficulty in breathing?
   Format: Text, Y(es), N(o)
   Curation: Must be one of the allowed values: Y/N

33. Poultry Exposure (REQUIRED)
   Definition: Subject exposed to poultry.
   Format: Text, Y(es), N(o), U(known)
   Curation: Must be one of the allowed values: Y/N/U

34. Wild Bird Exposure (REQUIRED)
   Definition: Subject exposed to wild birds.
   Format: Text, Y(es), N(o), U(known)
   Curation: Must be one of the allowed values: Y/N/U

35. Swine Exposure (REQUIRED)
   Definition: Subject exposed to swine.
   Format: Text, Y(es), N(o), U(known)
   Curation: Must be one of the allowed values: Y/N/U

36. Type Exposure (REQUIRED)
   Definition: Setting within which subject is exposed to animals.
Format: Text, Confined animal feeding operation/ large farms, Farm, Backyard flock, FP(Food preparation), S(laughterhouse), Other, Unknown  
Curation: None

37. Human Exposure (REQUIRED)  
Definition: Subject exposed to other human cases confirmed to have influenza infection?  
Format: Text, Y(es), N(o), U(nknown)  
Curation: Must be one of the allowed values: Y/N/U

38. Sample Identifier (REQUIRED)  
Definition: Identifier assigned to each sample collected. If multiple samples are taken from the same host, each sample should have its own identifier.  
Format: Free form, with up to 50 characters of any combination of alphanumeric characters and all special characters except single quote, double quote, percent and period.  
Curation: No curation

39. Collection Date (REQUIRED if available)  
Definition: Date on which the sample was collected from the patient. Some samples will be sent to the centers and not collected by the centers. Therefore, sometimes the laboratory will not have a collection date. If the collection date and received date are both available, then both should be reported in two separate fields. Either field #3 or #4 must be provided. Provide both #3 and #4 if available.  
Format: (d)d-first 3 letters of month-yyyy or unknown  
Curation: Leading 0 of dd need not be provided; years must have four digits; month must match the first three (3) letters of the month of the alphabet; checked for out-of-range dates. This ensures that there is no ambiguity with formats of dates from different regions of the world.

40. Receipt Date (REQUIRED if available)  
Definition: Date on which the sample was received in the laboratory. Some samples will be sent to the centers and not collected by the centers. Therefore, there needs to be the option to choose either collection date or receipt date. If both dates are available, then both this field and #3 should be reported in two separate fields. Either field #3 or #4 must be provided. Provide both #3 and #4 if available.  
Format: (d)d-first 3 letters of month-yyyy or unknown  
Curation: Leading 0 of dd need not be provided; years must have four digits; month must match the first three (3) letters of the month of the alphabet; checked for out-of-range dates. This ensures that there is no ambiguity with formats of dates from different regions of the world.

41. Sample Material (REQUIRED)  
Definition: Material on which the testing occurred.  
Format:  
- OP = oral-pharyngeal swab  
- NS = Nasal swab  
- TS = Tracheal swabs
- NS = Combined nasal throat swab
- RS = Rectal swab
- B = Blood
- SR = serum
- TT = tissue from trachea
- TB = tissue from brain
- TO = other tissue
- F = feces
- L= lungs
- BAL = Bronchoalveolar lavage
- NL = Nasal lavage
- S = Sputum
- LL = Lung lavage fluid
- O = other. Typed out text
- U = Unknown

*Curation*: Text. Can provide more detailed information through the other category. For example, O-spleen.

**42. Test for influenza virus (REQUIRED)**
*Definition*: Method by which the CURRENT assessment of a sample as flu-positive/negative is made. If multiple tests were performed and the site prefers to report them all now, repeat fields 37-38. Further testing can be reported with the “viral isolate data” fields.
*Format*: Text/Not tested
*Curation*: None
*Example*: RT-PCR, antigen ELISA, AGID or other flu test

**43. Influenza test result (REQUIRED)**
*Definition*: Classification of sample as flu positive or negative or unknown based on the test performed and reported in field #37.
*Format*: P/N/U/NT
*Curation*: Must be one of the allowed values.

**REPEAT Fields #42-43 if multiple tests were performed and the site prefers to report them all now. Further testing can be reported with the “viral isolate data” fields.**

**44. Other pathogens tested for (other than influenza) (REQUIRED)**
*Definition*: Classification of samples tested for organisms other than influenza virus such as RSV.
*Format*: Text/Not tested
*Curation*: None

**45. Other pathogen test result (other than influenza) (REQUIRED)**
*Definition*: Classification of sample as positive or negative or unknown based on the test performed and reported in field #40.
*Format*: P/N/U/NT
Curation: Must be one of the allowed values.

**REPEAT Fields #44-45 if multiple tests for other pathogens were performed.**

Comment [4]: The agreement on this was not overwhelming although it a couple people on the last call thought this should be kept separate since it is not linking to surveillance per se.
46. **Profession (OPTIONAL)**
   
   **Definition:** Short description of the profession of the subject.
   
   **Format:** text (ex. Nurse, Physician, Teacher, Farmer, Unknown)
   
   **Curation:** no curation

47. **Education (OPTIONAL)**
   
   **Definition:** Short description of the education level of the subject.
   
   **Format:** Illiterate, Some elementary school, Completed elementary school, Elementary ed. not specified, Some high school, Completed high school, High school ed. not specified, Some higher education, Completed higher education, Higher ed. not specified, Some technical school, Completed technical school, Technical education not specified, Unknown, Other (O-text)
   
   **Curation:** Must be one of the allowed values or O-text

48. **Travel_History (OPTIONAL)**
   
   **Definition:** List all your travel destinations over the past month.
   
   **Format:** text
   
   **Curation:** no curation

49. **Respiratory_Disease (OPTIONAL)**
   
   **Definition:** Disease caused by emphysema, a cold, asthma, disorder of the nasal cavity, larynx, lungs, trachea, bronchi, bronchioles, alveoli, or COPD. Does the subject have respiratory disease at the time of sampling?
   
   **Format:** Text, Y(es), N(o)
   
   **Curation:** Must be one of the allowed values: Y/N

50. **Cardiovascular_Disease (OPTIONAL)**
   
   **Definition:** Generic term that covers a wide range of heart and blood vessel disorders. Does the subject have cardiovascular disease at the time of sampling?
   
   **Format:** Text, Y(es), N(o)
   
   **Curation:** Must be one of the allowed values: Y/N

51. **Urogenital_Disease (OPTIONAL)**
   
   **Definition:** Urologic disease can involve congenital or acquired dysfunction of the urinary system to include the kidneys, ureters, bladder, urethra, ovaries, uterus, vagina, or penis. Does the subject have urogenital disease at the time of sampling?
   
   **Format:** Text, Y(es), N(o)
   
   **Curation:** Must be one of the allowed values: Y/N

52. **Hepatobiliary_Disease (OPTIONAL)**
   
   **Definition:** Of, pertaining to, or originating in the liver, bile ducts and gallbladder. Does the subject have hepatobiliary disease at the time of sampling?
   
   **Format:** Text, Y(es), N(o)
   
   **Curation:** Must be one of the allowed values: Y/N
53. **Pancreatic_Disease (OPTIONAL)**  
*Definition*: This term applies to many diseases and disorders that cause the pancreas to function improperly or cease functioning, to include diabetes mellitus. Does the subject have pancreatic disease at the time of sampling?  
*Format*: Text, Y(es), N(o)  
*Curation*: Must be one of the allowed values: Y/N

54. **Neurologic_Disease (OPTIONAL)**  
*Definition*: A disturbance in the structure or function of the nervous system resulting from developmental abnormality, disease, injury or toxin. Does the subject have neurologic disease at the time of sampling?  
*Format*: Text, Y(es), N(o)  
*Curation*: Must be one of the allowed values: Y/N

55. **Musculoskeletal_Disease (OPTIONAL)**  
*Definition*: Any disease or disorder of the muscles or bones. Does the subject have musculoskeletal disorder at the time of sampling?  
*Format*: Text, Y(es), N(o)  
*Curation*: Must be one of the allowed values: Y/N

56. **Dermatologic_Disease (OPTIONAL)**  
*Definition*: Disorder of or relating to the skin including: infections, inflammatory conditions, ulcers, tumors (benign or malignant), scaling diseases and disorders of nails and/or hair. Does the subject have dermatologic disorder at the time of sampling?  
*Format*: Text, Y(es), N(o)  
*Curation*: Must be one of the allowed values: Y/N

57. **Digestive_System_Disease (OPTIONAL)**  
*Definition*: All diseases that pertain to the gastrointestinal tract are labeled as digestive diseases, including diseases of the mouth, pharynx, esophagus, stomach, large intestine, and small intestine. Does the subject have digestive system disease at the time of sampling?  
*Format*: Text, Y(es), N(o)  
*Curation*: Must be one of the allowed values: Y/N

58. **Endocrine-Metabolic_Disease (OPTIONAL)**  
*Definition*: Pertaining to hormones and the glands that make and secrete them into the bloodstream through which they travel to affect distant organs, including the pituitary, thyroid, parathyroid, adrenals, and gonads. Does the subject have endocrine-metabolic disorder at the time of sampling?  
*Format*: Text, Y(es), N(o)  
*Curation*: Must be one of the allowed values: Y/N

59. **Hematological_Disease (OPTIONAL)**  
*Definition*: Involving the blood, blood-forming organs, or blood diseases. Does the subject have hematological disease at the time of sampling?
60. Cancer (OPTIONAL)
Definition: Any malignant growth or tumor caused by abnormal and uncontrolled cell division; it may spread to other parts of the body through the lymphatic system. Does the subject have cancer at the time of sampling?
Format: Text, Y(es), N(o)
Curation: Must be one of the allowed values: Y/N

61. Immunosuppression (OPTIONAL)
Definition: The condition in which the patient’s immune system is functioning at a lower than normal level due to age, disease, medications, etc. Is the subject immunosuppressed at the time of sampling?
Format: Text, Y(es), N(o)
Curation: Must be one of the allowed values: Y/N

62. Autoimmune Disorder (OPTIONAL)
Definition: Any of a large group of diseases characterized by abnormal functioning of the immune system that causes your immune system to produce auto-reactive antibodies and/or T cells. Does the subject have a known autoimmune disorder at the time of sampling?
Format: Text, Y(es), N(o), U(unknown)
Curation: Must be one of the allowed values: Y/N/U

63. Primary living situation (OPTIONAL)
Definition: Brief description of the patients living scenario.
Format: Text (ex. Family home, Apartment building, Dormitory/other group living, Long term care or residential facility, Homeless, Unknown)
Curation: no curation.

64. Alcohol or Other Drug Dependence (OPTIONAL)
Definition: When an individual persists in use of alcohol or other drugs despite problems related to use of the substance, substance dependence may be diagnosed. Is the subject dependent on alcohol or other drugs at the time of sampling?
Format: Text, Y(es), N(o)
Curation: Must be one of the allowed values: Y/N

65. Tobacco Use (OPTIONAL)
Definition: Regular use of any form of tobacco. Does the patient regularly use any form of tobacco?
Format: Text, Y(es), N(o)
Curation: Must be one of the allowed values: Y/N

66. (if Tobacco Use = Y then) Packs Per Day for how many Years (OPTIONAL)
Definition: Approximate packs of cigarettes or smokeless tobacco that the subject uses per day over the course of how many years.
67. Breastfeeding (OPTIONAL)
   Definition: The activity of feeding a baby or young child milk from the breast of a lactating
   woman. Is the subject breastfeeding at the time of sampling?
   Format: Text, Y(es), N(o)
   Curation: Must be one of the allowed values: Y/N

68. Conjunctivitis (OPTIONAL)
   Definition: An inflammation of the conjunctiva of the eye. Does the subject have conjunctivitis
   at the time of sampling?
   Format: Text, Y(es), N(o)
   Curation: Must be one of the allowed values: Y/N

69. Loss of Apetite (OPTIONAL)
   Definition: Does the subject have a loss of appetite at the time of sampling?
   Format: Text, Y(es), N(o)
   Curation: Must be one of the allowed values: Y/N

70. Asthma (OPTIONAL)
   Definition: A respiratory disorder characterized by wheezing; usually of allergic origin. Does the
   subject have asthma at the time of sampling?
   Format: Text, Y(es), N(o)
   Curation: Must be one of the allowed values: Y/N

71. Influenza like illness over the past year (OPTIONAL)
   Definition: Did the subject have a medically documented influenza like illness over the past
   year prior to time of sampling?
   Format: Text, Y(es), N(o)
   Curation: Must be one of the allowed values: Y/N

72. Human leukocyte antigens (OPTIONAL)
   Definition: Genetic markers found on all cells of the body that determine white blood cell types.
   HLA tissue types are used to match donated organs or bone marrow with transplant recipients.
   Report results of HLA testing.
   Format: Text
   Curation: no curation

73. Other Symptoms (OPTIONAL)
   Definition: Did the subject have any other symptoms that should be reported?
   Format: (Y)es/(N)o/(U)nknown.
   Curation: Must be one of the three allowed values: Y/N/U

74. List Symptoms (OPTIONAL)
   Definition: If #28 is yes, list other symptoms.
75. **Allergies (OPTIONAL)**

*Definition*: An inappropriate and harmful response of the immune system to normally harmless substances. Does the subject have allergies at the time of sampling?

*Format*: Text, Y(es), N(o)

*Curation*: Must be one of the allowed values: Y/N

76. **(if Allergies = Y then) Types_Of_ALLergies (OPTIONAL)**

*Definition*: List of all types of allergies of the subject, whether the immune reaction is related to foods, drugs, or the environment.

*Format*: Text (“U” if types are not known)

*Curation*: no curation

77. **Vomiting (OPTIONAL)**

*Definition*: The reflex act of ejecting the contents of the stomach through the mouth. Did the subject report vomiting?

*Format*: Text, Y(es), N(o)

*Curation*: Must be one of the allowed values: Y/N

78. **Chills (OPTIONAL)**

*Definition*: Did the subject report a feeling of being cold?

*Format*: Text, Y(es), N(o)

*Curation*: Must be one of the allowed values: Y/N

79. **Wheezing (OPTIONAL)**

*Definition*: Did the subject report abnormal continuous, coarse, whistling sounds produced in the respiratory airways during breathing?

*Format*: Text, Y(es), N(o)

*Curation*: Must be one of the allowed values: Y/N

80. **Hospitalization Duration (OPTIONAL)**

*Definition*: Length of time subject was hospitalized in days.

*Format*: Number (“U” if length is not known); N/A if answer N to #14.

*Curation*: none.

81. **Intensive Care Unit (OPTIONAL)**

*Definition*: Was the subject confined to an ICU as a result of influenza infection or problems occurring secondary to influenza virus infection?

*Format*: (Y)es/(N)o/(U)nknown/ NA.

*Curation*: Must be one of the allowed values

82. **Initiation of antiviral treatment (OPTIONAL)**
83. Treatment Dosage (OPTIONAL)
   Definition: Dosage that the patient took of the treatment.
   Format: number (0.05 mg or ml)
   Curation: no curation

84. Duration of antiviral treatment (OPTIONAL)
   Definition: Duration of antiviral treatment after onset of clinical symptoms in days.
   Format: Number (2 days, 0.33 days)
   Curation: no curation

*****REPEAT 82-84 if multiple treatments were administered.******

85. Vaccine_Lot_Number (OPTIONAL)
   Definition: Lot number of the vaccine.
   Format: text
   Curation: no curation

86. Vaccine_Manufacturer (OPTIONAL)
   Definition: Manufacturer of the vaccine.
   Format: text
   Curation: no curation

87. Vaccine_Dosage (OPTIONAL)
   Definition: Dosage that the patient took of the vaccine.
   Format: number (0.05 mL)
   Curation: no curation

*****REPEAT 85-87 if multiple vaccines were administered.******

88. Duration of Poultry Exposure (OPTIONAL)
   Definition: Duration that the subject was exposed to poultry in days.
   Format: Number (2 days, 0.33 days)
   Curation: no curation

89. Duration of Wild Bird Exposure (OPTIONAL)
   Definition: Duration that the subject was exposed to wild birds in days.
   Format: Number (2 days, 0.33 days)
   Curation: no curation

90. Duration of Swine Exposure (OPTIONAL)
   Definition: Duration that the subject was exposed to swine in days.
   Format: Number (2 days, 0.33 days)
Curation: no curation

91. Duration of Human Exposure (OPTIONAL)
   Definition: Duration that subject was exposed to other human cases confirmed to have influenza infection.
   Format: Number (2 days, 0.33 days)
   Curation: no curation

92. Use of Personal Protective Equipment (PPE) (OPTIONAL)
   Definition: Use of gowns, gloves, masks or other PPE during exposure.
   Format: Text (ex. gowns, gloves, masks)
   Curation: no curation