

Interim Guidance for Implementation of CDC and OSHA Avian Influenza Recommendations

Delmarva Avian Influenza Joint Task Force

PLEASE NOTE: This document was created by the Delmarva (Delaware, Maryland, Virginia) Avian Influenza Joint Task Force based on existing CDC and OSHA Guidelines. It should be viewed as a work in progress and is subject to revision as additional guidelines become available or as the prevalence of Avian Influenza changes.

Delmarva Avian Influenza Joint Task Force

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Interim Guidance for Implementation of CDC and OSHA Avian Influenza Recommendations

Delmarva Avian Influenza Joint Task Force

Summary:

- In response to identification of Avian Influenza (AI) in poultry on the Eastern Shore of Maryland, in addition to reports of human illness in other countries, a task force mobilized to develop procedures based on CDC and OSHA recommendations (1, 2).
- This document provides practical guidance related to human AI infection prevention and control, including guidance related to training of workers, basic infection control, use of personal protective equipment, decontamination measures, vaccine and antiviral use, surveillance for illness, and appropriate evaluation of persons who become ill.
- For the maximum protection of workers, procedures follow the guidelines recommended by the US Centers for Disease Control and Prevention and the United States Department of Agriculture (5).
- Poultry companies will work in conjunction with state and local Public Health authorities.
- The Medical Departments of the poultry companies will closely monitor workers after their involvement with depopulation efforts for one week after last exposure as recommended by the CDC.
- Workers not employed or contracted by a particular poultry company will be monitored by the health department consistent with their residency.

Background:

Avian influenza viruses are influenza viruses that mainly infect birds. Although AI viruses do not usually infect humans, rare cases of human illness caused by AI have been documented throughout the world, including in the United States. The human illnesses documented to have been caused by AI viruses have ranged from severe, sometimes fatal respiratory infections, such as those caused by the avian influenza A H5N1 virus in Asia during 2004-2005, to mild illnesses like conjunctivitis, an inflammation of the lining of the eye. Some human infections with AI even appear to result in no symptoms. To date, most human AI infections have been acquired from direct contact with infected birds; person-to-person transmission may have occurred in several cases, but appears to be generally, extremely uncommon. However, although person-to-person transmission of AI appears to be rare, one major concern is that a person infected with AI could also become co-infected with a normal human influenza virus. Genetic material could be exchanged between the AI and the human influenza virus, which could result in an AI virus that is spread easily from person-to-person. If this were to happen, a severe worldwide epidemic of influenza (pandemic) could ensue (3, 4).

To protect persons exposed to AI from becoming infected and ill, and to attempt to prevent an AI-associated pandemic, guidelines have been developed by several organizations, including in February 2004, by the US Centers for Disease Control and Prevention (CDC) (1) and, more recently by the Federal Occupation Safety and Health Administration (OSHA) (2). In response to outbreaks of AI in chickens in Delaware and the Maryland portion of the Delmarva Peninsula in Spring 2004, and using the CDC and OSHA guidance as a basis, a task force of representatives of the Delmarva poultry industry, the Delmarva local and state health and agriculture departments was convened beginning in December 2004. This interim guidance represents the work of the task force, and makes operational for the Delmarva region the current CDC and OSHA guidance. This guidance will be updated as important new information becomes available.

Target Human Populations:

- I. Poultry companies' depopulation employees, typically service people.
- II. Contract Bobcat operators (contracted by the poultry companies).
- III. Composters (typically Bobcat drivers).
- IV. Contract growers and their families.
- V. Employees of agencies or organizations (i.e., Department of Agriculture, lab workers, USDA field workers, etc.)
- VI. Not at increased risk: Litter truck drivers, who dump the litter outside the house.
- VII. Groups I, II, and III will be identified in advance; several from each company, will form a "Strike Team." This group will be trained, educated, vaccinated (with seasonal human flu vaccine), and be prepared to mobilize and receive antiviral therapy when the occasion arises. There will be a central listing of the Strike Team members and contact information. This listing will be maintained by the poultry companies.

Procedures: A Safety and Medical Officer Will Be Identified On-Site To Assure Compliance with Procedures

- I. Training
All Strike Team members or persons, who may be exposed to AI virus infected live poultry or premises contaminated with the AI virus, will be trained by their employer with assistance from the Local or State Health Department as needed and be required to complete the "Training Checklist" (*Attachment I*).
- II. Basic Infection Control
By this document, and via team leaders, workers will be educated about the importance of strict adherence to and proper use of hand hygiene after contact with infected or exposed poultry; contact with contaminated surfaces; or after removing gloves. Hand hygiene should consist of washing with soap and water for 15-20 seconds or the use of other standard hand-disinfection procedures as specified by the poultry company's medical department. This will happen at all breaks (especially

where smoking or snacking will occur), at lunch/bathroom breaks, and prior to leaving the affected farm.

III. Personal Protective Equipment (PPE)

- A. Cloth gloves over nitrile disposable gloves shall be worn. Gloves must be changed if torn or otherwise damaged. Remove gloves promptly after use, before touching non-contaminated items and environmental surfaces.
- B. "Throwaway clothes," clothing that is inexpensive and will be discarded after the event. No special protective clothing need be worn. Clean clothes will be brought and changed into after showering out of the environment.
- C. Disposable shoes, protective shoe covers, or rubber or polyurethane boots that can be cleaned and disinfected should be worn.
- D. Eye protection shall be worn to protect the mucous membranes of eyes.
- E. Disposable particulate respirators (N-95 or higher level of protection) will be worn. Fit testing is required initially and annually.
- F. Disposable PPE will be incinerated on site or a licensed medical waste provider will be contracted. Non-disposable PPE should be cleaned and disinfected after use. Hand hygiene measures should be performed after removal of PPE.

IV. Decontamination

- A. All workers involved in the interior spaces of poultry houses will shower at the end of the work shift, either on site at a decontamination trailer or via arrangements with local hotels (utilizing a dirty room for clothing removal and showering and a clean room for dressing in clean clothing to be worn home).
- B. No clothing worn in the poultry house can be worn home; this includes shoes, underwear, etc. Shoes do not have to be discarded if they are inside boots that are disinfected or covered by disposable shoe covers that remain intact.

V. Vaccine and Antiviral Drugs:

- A. All Strike Team members should receive the seasonal human flu vaccine from their respective companies in order to prevent the presence of flu from providing an opportunity for the AI virus to recombine with human influenza virus. Other workers not affiliated with a poultry company who may have exposure to AI during depopulation efforts, will be offered flu vaccine at the depopulation site by the State or Local Health Department. Laboratory staff are encouraged to receive flu vaccine. A declination form will be signed if flu vaccine is refused (*Attachment 2*).

- B. Although there is no data on outcomes from prophylactic use of antiviral drugs, every precaution should be taken in keeping with current CDC guidelines for their use. The recommended antiviral drug of choice is currently Oseltamavir (Tamiflu). The recommended dose of 75 mg twice a day on any day the associate is involved on-site with the depopulation efforts on known AI-positive farms. Prophylaxis is to be given daily continuing 5 days after last day of potential virus exposure (1). Antiviral drug treatment will be arranged by each company with their respective medical professionals (physicians). Individuals not affiliated with a poultry company will consult with their primary care provider or State or Local Health Department for a prescription /medication (*Attachment 3*).

VI. Surveillance Monitoring of Strike Team Members

- A. Before going to a site, all workers will complete the AI Exposure Symptom Questionnaire (*Attachment 4*); anyone answering “yes” to any question on the health assessment section baseline (Day 0) of the matrix will be excluded from that depopulation episode.
- B. The questionnaire will be administered again by the poultry company to which that individual is affiliated on or about day 7 and again day 14 after the depopulation. Anyone answering “yes” to any question will be referred to the State or Local Health Department of home residence for further examination and specimen collection.

VII. Surveillance Monitoring of Workers Not Affiliated with a Specific Poultry Company

- A. Baseline data will be collected by the State or Local Health Department where the affected farm is located. This will be sent to the Health Department of residence for follow-up surveillance.
- B. Surveillance of individuals not affiliated with a specific poultry company (includes, but is not limited to: USDA, poultry grower, MDA, etc.) will be the responsibility of the State or Local Health Department of residence.
- C. Any person who is in the category as defined in B. above will be contacted by the State or Local Health Department and asked to complete the AI Exposure Symptom questionnaire (*Attachment 4*); anyone answering, “yes” to any question on the health assessment section of the matrix will be followed up by the State or Local Health Department including identification of additional contacts of these individuals for further evaluation and specimen collection.
- D. A letter of instruction for medical providers will be given to the poultry grower and family members (*Attachment 5*).
- E. State or Local Health Departments of residence will coordinate evaluation, prophylaxis, and treatment of poultry growers and their families. This should be facilitated by face to face contact unless the situation involves a novel virus in which protocol would limit direct contact.

VIII. Evaluation of Ill Workers

- A. Reports of ill workers will be submitted to the state or local health department consistent with residency.
- B. Medical follow-up will be the responsibility of the poultry companies who employ or contract the individuals or agency's employee health/worker's compensation for state agency employees.
- C. A letter of instruction for medical providers for evaluation of illness will be given to the poultry grower and family members (*Attachment 6*). Medical Providers will be encouraged to follow CDC Guidelines, Respiratory Hygiene/Cough Etiquette.
- D. Specimen collection will be coordinated by the State or Local Health Department and will include oropharyngeal swab and acute serum (convalescent serum may be obtained 2-8 weeks later if appropriate).
- E. Workers will be instructed to be vigilant for the development of fever, respiratory symptoms, and/or conjunctivitis (i.e., eye infections) for 1 week after last exposure to AI-infected or exposed birds or to potentially AI-contaminated environmental surfaces. Workers will be instructed who to contact regarding questions and/or symptoms of illness.

IX. Coordination and Access to Resources

- A. In response to an AI event, Incident Command will involve the local and/or state Emergency Management Agency (EMA) as appropriate. Additional resources and coordination of efforts may be requested by Incident Command through EMA.
- B. If the AI event requires resources beyond those available at the local or state level the National Veterinary Stockpile (NVS) may be accessed by the State Veterinarian through the Liaison Officer in the incident command structure. Detailed information on the NVS is found in the document entitled "The National Veterinary Stockpile – A Planning Guide for Federal, State, And Local Authorities", April 2013. This document can be obtained through USDA/APHIS.

X. Mental Health Response

- A. An Avian Influenza outbreak may cause emotional or psychological stress reactions in decontamination workers, poultry farmers, and their families.
- B. Mental Health services for these individuals/families will be available and provided in accordance with local public health emergency plans.
- C. Poultry Workers and farm families will be notified of available Mental Health services and information provided to them as to how to access services within an Avian Influenza outbreak protocol.

- D. The Safety and Medical Officer will identify mental health needs and request Mental Health services, through Incident Command, for any individual or group who may benefit from these services.

References:

1. CDC. "Interim Guidance on Influenza Antiviral Chemoprophylaxis of Persons Exposed to Birds with Avian Influenza A Viruses Associated with Severe Human Disease or with the Potential to Cause Severe Human Disease". March 12, 2015
Downloaded from <http://www.cdc.gov/flu/avianflu/guidance-exposed-persons.htm>
2. OSHA. "Avian Influenza Protecting Poultry Workers at Risk. Safety and Health Information Bulletins 12-13-2004" December 13, 2004. Downloaded from <http://www.osha.gov/dts/shib/shib121304.html>
3. CDC. "Avian Influenza Infection in Humans" January 19, 2005. Downloaded from <http://www.cdc.gov/flu/avian/gen-info/avian-flu-humans.htm>
4. CDC. "Key Facts About Avian Influenza (Bird Flu) and Avian Influenza A (H5N1) Virus" March 18, 2005. Downloaded from <http://www.cdc.gov/flu/avian/gen-info/facts.htm>

Additional Resources:

CDC Interim Guidance on Testing, Specimen Collection, and Processing for Patients with Suspected Infection with Novel Influenza A Viruses with the Potential to Cause Severe Disease in Humans January 30, 2015 Downloaded from <http://www.cdc.gov/flu/avianflu/severe-potential.htm>

Delmarva Avian Influenza Incident Command Structure (12.31.08)

Worcester County Health Department "Rapid Response Team: Avian Influenza, Health Department Response" (revised March, 2015).

Maryland Department of Health and Mental Hygiene "Algorithm for Avian Flu"
10.2.2014

Training Checklist for Workers Exposed to Avian Influenza (AI) Virus Infected Live Poultry or Premises Contaminated with AI Virus

Delmarva Avian Influenza Joint Task Force

Please read, circle appropriate response, and initial each item below. Sign form at bottom when completed.

_____ 1. I **understand/do not understand (circle one)** that the H7N2 strain of avian influenza and all previous US outbreaks of AI have not been found to cause disease in any humans in the US.

_____ 2. I **understand/do not understand (circle one)** that these guidelines provided by my employer are the recommendations of the Centers for Disease Control and Prevention (CDC) and the United States Department of Agriculture (USDA) for maximum protection for workers exposed to AI virus and that these precautions are being taken for my personal protection against the extremely low risk of human infection with AI virus.

_____ 3. I **have/have not (circle one)** completed and passed the “Avian Influenza Exposure Symptom Questionnaire” prior to being exposed to AI infected poultry or premises contaminated with AI virus.

_____ 4. I **have/have not (circle one)** received the seasonal human flu vaccine. I received this vaccine at least two weeks **prior to today/today (circle one.)** If I refuse vaccination I **agree/not agree (circle one)** to sign the declination form. I **understand/do not understand (circle one)** that this vaccination will not prevent human infection by AI viruses but is intended to minimize the likelihood of an AI virus from recombining with human influenza viruses.

_____ 5. I **have/have not (circle one)** been offered antiviral medications and **agree/do not agree (circle one)** to take them as directed by medical professionals.

_____ 6. I **agree/do not agree (circle one)** to wear the Personal Protective Equipment (PPE) recommended by my employer at all times during possible exposure to AI virus. This PPE includes but is not limited to: cloth gloves over nitrile disposable gloves (replace gloves immediately if torn or otherwise damaged), discardable clothing and foot wear or washable boots that can be cleaned and disinfected on site, eye protection, disposable particulate N-95 (or higher) type respirator, and hair bonnet. I **have/have not (circle one)** been instructed on how to properly remove contaminated PPE to prevent cross contamination.

_____ 7. I **have/have not (circle one)** been fit tested and approved to wear an N-95 equivalent or higher respirator during the completion of physically strenuous activities.

_____ 8. I **have/have not (circle one)** been instructed about the importance of strict adherence to and proper use of hand hygiene after contact with AI infected poultry or AI virus contaminated surfaces. After removing protective gloves I **agree/do not agree (circle one)** to thoroughly wash my hands with soap and water for at least 10-15 seconds or to use other hand disinfection procedures as specified by the Medical Officer.

_____ 9. I **agree/do not agree (circle one)** to shower at the end of the work shift in a decontamination unit on site or via arrangements with local hotels using a dirty room for clothing removal and showering and a clean room for dressing in clean clothing to be worn home. Under no circumstances will I wear clothing worn in an AI contaminated environment home: this includes shoes, underwear, etc....

_____ 10. I **agree/do not agree (circle one)** to complete the attached health questionnaire on or about day 7 and again on day 14 after possible exposure to AI virus. If I answer "yes" to any question I **agree/do not agree (circle one)** to be referred to the Medical Officer and to follow their instructions for further examination and specimen collection as needed. I understand that my personal health information may be shared with appropriate county and state health departments and **agree/do not agree (circle one)** to follow additional directions from these agencies if requested to do so.

_____ 11. I **understand/do not understand (circle one)** that both Safety and Medical Officers will be on site to answer any questions that I may have concerning these guidelines.

Printed Name: _____ Date: _____

Signature: _____

Declination of Human Influenza Vaccine

I understand that due to my potential occupational exposure to avian influenza, I am being offered the seasonal human influenza vaccine. This vaccination will help to prevent the seasonal human influenza virus from recombining with the avian influenza virus potentially causing a new strain of influenza virus. I understand that by declining this vaccine I continue to be at risk of acquiring seasonal human influenza virus. If in the future I want to be vaccinated with seasonal flu vaccine, I can request the vaccination.

Name (Print): _____

Signature: _____

Agency: _____

Social Security Number (optional): _____

Date: _____

Reason for Declination:

- Medically contraindicated _____
- Other: _____

LETTER HEAD

MEMO

To: (Medical Provider)
From: _____ County Health Department
Date: _____
Re: _____ (patient name)

The person identified above is referred to you for consideration of prophylaxis therapy for potential exposure to laboratory confirmed Avian Influenza. The duties leading to this potential exposure will include:

The duties stated will be performed on (mm/dd/yyyy).

This patient () has () has not been vaccinated with the current season's influenza vaccine.

CDC Interim Guidance on Influenza Antiviral Chemoprophylaxis of Persons Exposed to Birds with Avian Influenza A Viruses Associated with Severe Human Disease or with the Potential to Cause Severe Human Disease

<http://www.cdc.gov/flu/avianflu/guidance-exposed-persons.htm>) recommends the following:

“If antiviral chemoprophylaxis is initiated, treatment dosing for the neuraminidase inhibitors oseltamivir or zanamivir (one dose twice daily) is recommended in these instances instead of the typical antiviral chemoprophylaxis regimen (once daily).....”
“

Please consider this patient for prophylaxis treatment with antiviral therapy continuing for 5 days after the last potential virus exposure.

If you would like a copy of the CDC, have questions, or need additional information, please contact the Communicable Disease staff at (phone number).

Avian Influenza Exposure Symptom Questionnaire

Date of interview (mm/dd/yy) _____ Name of interviewer: _____

Name: (Last) _____ (First) _____

Address (# Street Name): _____ City/State/ZIP: _____

County of Residence: _____ Primary Language Spoken _____

Home Phone: _____ Work/cell phone: _____

Age (Years): _____ DOB (mm/dd/yy): _____ Gender: M F**Vaccination Information:**

Did you receive an influenza vaccination this year?

 Yes (approximate date mm/dd/yy _____) What type? Flu shot FluMist No**Work Information:**

Occupation: _____

Employer: Poultry Company _____ Private contractor _____ State/Fed Agency _____

Type of work (check all that apply):

- | | | |
|---|---|--|
| <input type="checkbox"/> Care of live poultry | <input type="checkbox"/> Transportation of live poultry | <input type="checkbox"/> Cleaning of poultry houses, cages or trucks |
| <input type="checkbox"/> Obtaining blood samples of poultry | <input type="checkbox"/> Process poultry specimens in a lab | <input type="checkbox"/> Obtain local or tracheal swabs |
| <input type="checkbox"/> Slaughter poultry (not depopulation) | <input type="checkbox"/> Poultry depopulation | <input type="checkbox"/> Composting dead poultry |
| <input type="checkbox"/> Disinfecting equipment | <input type="checkbox"/> Farm owner | <input type="checkbox"/> Other farm work |
| <input type="checkbox"/> Other _____ | | |

What is the most recent date you were performing any of the above activities (at any location)?Date (mm/dd/yy): _____ Still performing above duties**What is the most recent date you performed any of the above activities at a site where poultry were known to be infected with avian influenza?**Date (mm/dd/yy): _____ Still performing above duties**When was the affected farm depopulated? Date (mm/dd/yy): _____****While performing these activities (during the past two weeks), have you used personal protective equipment (PPE)?**

-
- Yes, always
-
- Yes, most of the time
-
- Yes, sometimes
-
- Never

Name: (Last) _____ (First) _____

Exposure Date (mm/dd/yy): _____ Exposure Location _____ Exposure # _____

If you used PPE, which articles did you use? (Check all that apply)

- Protective clothing (such as disposable clothing)
- Disposable gloves
- Hair bonnet
- Fit-tested respirator (such as an N95 or higher mask)
- Eye Protection
- Disposable protective foot wear or washable boots
- Other _____

Health Assessment:

Since your first possible contact with avian influenza infected birds, have you developed any of the following symptoms?

Symptoms	Day 0 (Today's Date: _____)			Day 7 (Today's Date: _____)			Day 14 (Today's Date: _____)		
	Circle One	Date of Onset	Date Resolved	Circle One	Date of Onset	Date Resolved	Circle One	Date of Onset	Date Resolved
Fever	Yes No			Yes No			Yes No		
Measured Temp \geq 100F	Yes No Temp°:			Yes No Temp°:			Yes No Temp°:		
Cough	Yes No			Yes No			Yes No		
Sore Throat	Yes No			Yes No			Yes No		
Runny Nose	Yes No			Yes No			Yes No		
Body Aches *	Yes No			Yes No			Yes No		
Red or Watery Eyes	Yes No			Yes No			Yes No		
Diarrhea	Yes No			Yes No			Yes No		
Headache	Yes No			Yes No			Yes No		
Drowsiness	Yes No			Yes No			Yes No		
Other: _____	Yes No			Yes No			Yes No		

* Symptom by itself does not indicate referral to local health department for follow-up

Additional documentation may be on an attached form.

Did you seek medical care for your illness? No Yes

Name of primary provider: _____ Address: _____ Phone Number: _____

Were you hospitalized? No Yes If yes, Name of Hospital _____ Dates admitted _____

Antiviral Information:

Have you taken any antiviral medication? [Amantadine(Symmetrel), Rimantadine (Flumadine), Oseltamivir (Tamiflu)]

Yes Name of antiviral: _____ First dose _____ Last dose _____ No

Have any of your family members or other close contacts developed any of the above symptoms? No Yes If yes, who?

<u>Name</u>	<u>Age (Yrs.)</u>	<u>Relationship</u>	<u>Contact #</u>

LETTER HEAD

MEMO

To: Medical Provider
From: _____ County Health Department
Date: _____
Re: _____ (patient name)

The person identified above is referred to you for evaluation and follow-up due to their exposure to laboratory confirmed Avian Influenza. The exposure occurred on (date). The duties leading to this exposure included: _____
_____.

This patient () has () has not been vaccinated with the current season's influenza vaccine.

CDC Interim Guidance on Influenza Antiviral Chemoprophylaxis of Persons Exposed to Birds with Avian Influenza A Viruses Associated with Severe Human Disease or with the Potential to Cause Severe Human Disease (<http://www.cdc.gov/flu/avianflu/guidance-exposed-persons.htm>) recommends the following:

“If antiviral chemoprophylaxis is initiated, treatment dosing for the neuraminidase inhibitors oseltamivir or zanamivir (one dose twice daily) is recommended in these instances instead of the typical antiviral chemoprophylaxis regimen (once daily)....”

Please consider this patient for prophylaxis treatment with antiviral therapy.

If you would like a copy of the CDC or guidelines, have questions, or need additional information, please contact the Communicable Disease staff at (phone number).

LETTER HEAD

MEMO

To: (Medical Provider)
From: _____ County Health Department
Date: _____
Re: _____ (patient name)

The person identified above is referred to you for evaluation and follow-up due to their exposure to laboratory confirmed Avian Influenza. An interview with the patient revealed the following information:

- Interview date _____
- Exposure date _____
- Duties leading to this exposure included: _____
- Symptoms began on _____
- Symptoms include _____
- This patient () has () has not been vaccinated with the current season's influenza vaccine.
- This patient () has () has not received antiviral prophylaxis during the exposure period.

CDC Interim Guidance on Testing, Specimen Collection, and Processing for Patients with Suspected Infection with Novel Influenza A Viruses with the Potential to Cause Severe Disease in Humans (www.cdc.gov/flu/avianflu/severe-potential.htm) recommends the following evaluation of ill workers:

- Workers who develop a febrile respiratory illness should have a respiratory sample (e.g., oropharyngeal swab or aspirate) collected. Optimally this specimen should be obtained within 7 days of illness onset.

The Health Department can assist you in submitting a oropharyngeal swab for Novel Influenza A testing to the state laboratory. If you would like a copy of the CDC guidelines, have questions, or need additional information, please contact the Communicable Disease staff at (phone number).

Lista de chequeo de entrenamiento para los obreros expuestos al pollo vivo infectado con el virus de Gripe Aviar o a una localización contaminada con el virus

Grupo de Fuerza en la tarea combatir la Influenza Aviaria de Delmarva

Favor de leer, circular la respuesta apropiada, y poner sus iniciales en cada declaración de abajo. Firme el formulario abajo cuando es completado.

- _____ 1. Yo **entiendo/no entiendo** (circule uno) que la cepa H7N2 de la influenza aviaria y todos los casos anteriores en los EEUU de gripe aviar no se han encontrado causantes de ninguna enfermedad en los humanos en los Estados Unidos.
- _____ 2. Yo **entiendo/no entiendo** (circule uno) que esta guía provisto por mi empleador es la recomendación de los Centros para el Control y Prevención de las Enfermedades para la protección máxima de los obreros expuestos al virus de Gripe Aviar y que estas precauciones han sido tomadas para mi protección personal contra el riesgo extremadamente bajo de la infección humana con el virus de Gripe Aviar.
- _____ 3. Yo **si he completado y pasado/no he completado y pasado** (circule uno) el “Cuestionario de síntomas de exposición al gripe aviar” antes de estar expuesto al pollo infectado con el virus o con el área contaminada con el virus de Gripe Aviar.
- _____ 4. Yo **he recibido/no he recibido** (circule uno) la vacuna anual de la influenza humana. Yo he recibido esta vacuna **hace como dos semanas/hoy** (circule uno). Si rechazo la vacuna, **estoy de acuerdo/no estoy de acuerdo** en firmar el formulario de rechazo. Yo **entiendo/no entiendo** (circule uno) que esta vacuna no prevendrá la infección humana por los virus de Gripe Aviar pero su propósito es minimizar la probabilidad que el virus de Gripe Aviar se combine con los virus de influenza humana.
- _____ 5. **Me han ofrecido/No me han ofrecido** (circule uno) los medicamentos contra el virus y **estoy de acuerdo/no estoy de acuerdo** (circule uno) en tomarlos según han sido dirigidos por los profesionales médicos.
- _____ 6. **Estoy de acuerdo/No estoy de acuerdo** (circule uno) en ponerme el equipo de protección personal recomendado por mi empleador en todos los momentos en que la exposición al virus de Gripe Aviar exista. Este equipo de protección personal incluye, pero no es limitado: guantes de tela sobre guantes desechables de nitrilo (reemplaza los guantes

inmediatamente si están dañados o rotos), ropa desechable y zapatos o botas que se pueden lavar o desinfectar en el sitio, la protección para los ojos, una respiradora desechable de la partícula N-95 (o más), y una redecilla para el cabello. **Me han enseñado/no me han enseñado** (circule uno) cómo remover correctamente el equipo de protección personal contaminado para prevenir el cruce de contaminación.

_____ 7. **Yo he estado/Yo no he estado** (circule uno) medido y aprobado para usar una respiradora equivalente al N-95 o más alto mientras hago actividades que son vigorosas físicamente.

_____ 8. **Yo he sido/No he sido** (circule uno) instruido acerca de la importancia de seguir estrictamente el uso correcto higiénico de las manos después de tener contacto con el pollo infectado con el virus de Gripe Aviar o con alguna superficie contaminada con el virus. Después de remover los guantes de protección **estoy de acuerdo/no estoy de acuerdo** (circule uno) de lavarme las manos completamente con jabón y agua por lo menos 20 segundos o de usar algún otro procedimiento de desinfectar las manos como es especificado por un Oficial de Médico.

_____ 9. **Estoy de acuerdo/No estoy de acuerdo** (circule uno) en ducharme al final del turno de trabajo en una unidad de descontaminación en el sitio o por algunos arreglos con los hoteles locales para usar un cuarto sucio para quitar la ropa y la ducha y un cuarto limpio para vestirme con ropa limpia que me puedo poner para ir a la casa. Bajo ninguna circunstancia me voy a vestir en la ropa usada en un ambiente contaminado con el Gripe Aviar para ir a la casa: esto incluye los zapatos, la ropa interior, etc.

_____ 10. **Estoy de acuerdo/No estoy de acuerdo** (circule uno) de llenar el cuestionario de salud adjunto a este documento en más o menos el día 7 y otra vez en el día 14 después de exposición posible al virus de Gripe Aviar. Si contesto con “Sí” a cualquier pregunta, **estoy de acuerdo/no estoy de acuerdo** (circule uno) de estar referido al Oficial de Médico y de seguir sus instrucciones para tener más reexaminación y la colección de cualquier espécimen si es necesario. Yo entiendo que la información de mi salud personal puede ser compartido con los departamentos apropiados de salud en el estado o en el condado y **estoy de acuerdo/no estoy de acuerdo** (circule uno) de seguir con las instrucciones adicionales de estas agencias si me requieren hacerlo.

_____ 11. **Yo entiendo/Yo no entiendo** (circule uno) que el Oficial de Seguridad junto con el Oficial de Médico estarán en el sitio para contestar cualquier pregunta que tenga en referencia a este guía.

Nombre en letra de molde: _____ Fecha: _____

Firma : _____

Danh sách kiểm tra Huấn luyện cho Công nhân đã Tiếp xúc với những Gia cầm bị nhiễm vi khuẩn cúm Gia cầm (AI) hoặc các Cơ sở bị nhiễm với vi trùng AI

Dịch cúm Gia cầm Delmarva
Lực lượng Đặc nhiệm

Xin vui lòng đọc, khoanh tròn cho câu trả lời thích hợp, và viết tắt tên cho mỗi mục dưới đây. Ký tên vào văn bản ở dưới khi hoàn thành mẫu đơn này.

_____ 1. **Tôi hiểu/không hiểu (khoanh tròn)** rằng chủng H7N2 của cúm gia cầm và tất cả các bùng nổ về dịch cúm ở Hoa Kỳ trước đây đã không phát hiện gây ra bệnh trong con người tại Hoa Kỳ.

_____ 2. **Tôi hiểu/không hiểu (khoanh tròn)** rằng các hướng dẫn này do người chủ của tôi cung cấp là các lời khuyên nghị của Trung tâm Kiểm soát và Phòng ngừa (CDC) và Bộ Nông nghiệp Hoa Kỳ (USDA) để bảo vệ tối đa cho các công nhân tiếp xúc với vi khuẩn AI và các biện pháp phòng ngừa được tiến hành để bảo vệ cá nhân phòng chống lại nguy cơ rất thấp gây nhiễm cho con người với vi trùng AI.

_____ 3. **Tôi có/không có (khoanh tròn)** để hoàn thành và thông qua “Các Câu hỏi về Triệu chứng Tiếp xúc Bệnh cúm Gia cầm” trước khi được tiếp xúc với các gia cầm bị nhiễm AI hoặc các cơ sở bị ô nhiễm với vi trùng AI.

_____ 4. **Tôi có/không có (khoanh tròn)** nhận được chủng ngừa cúm ở người theo mùa.

Tôi nhận được chủng ngừa ít nhất hai tuần **trước hôm nay/hôm nay (khoanh tròn)**. Nếu tôi từ chối chủng ngừa **tôi đồng ý/không đồng ý (khoanh tròn)** ký tên vào đơn từ chối. **Tôi hiểu/không hiểu (khoanh tròn)** rằng việc chủng ngừa ngày sẽ không ngăn chặn sự nhiễm con người bởi vi trùng AI nhưng được dùng để giảm thiểu sự xuất hiện của một vi trùng AI từ việc kết hợp với vi trùng cúm ở con người.

_____ 5. **Tôi có/không có (khoanh tròn)** được cung cấp thuốc kháng vi trùng và **đồng ý/không đồng ý (khoanh tròn)** để uống theo chỉ dẫn bởi các chuyên gia y tế.

_____ 6. **Tôi đồng ý/không đồng ý (khoanh tròn)** để mang các Thiết bị Bảo vệ Cá nhân (PPE) được đề nghị bởi người chủ trong suốt thời gian có thể tiếp xúc với vi trùng AI. Thiết bị PPE bao gồm nhưng không giới hạn đến: bao tay vải trên găng tay nitrile dùng một lần (thay thế bao tay khác ngay lập tức nếu nó bị rách hoặc bị hư hỏng), quần áo có thể bỏ đi và mang giày hoặc ủng có thể giặt mà chúng có thể được làm sạch và khử trùng tại chỗ, bảo vệ mắt, loại hạt N-95 dùng một lần (hoặc cao hơn) mặt nạ, và tóc nắp ca-pô. **Tôi có/không**

có (khoanh tròn) được hướng dẫn làm thế nào để cởi bỏ một cách đúng đắn các thiết bị PPE bị ô nhiễm để ngăn chặn lây nhiễm chéo.

_____ 7. **Tôi có/không có (khoanh tròn)** được thử nghiệm phù hợp và được chấp thuận mang một mặt nạ tương đương N-95 hoặc cao hơn trong suốt thời gian hoàn thành các hoạt động thể chất nặng.

_____ 8. **Tôi có/không có (khoanh tròn)** được hướng dẫn về tầm quan trọng về tuân thủ nghiêm ngặt và sử dụng đúng về vệ sinh rửa tay sau khi tiếp xúc với gia cầm bị nhiễm vi-rút AI hoặc các bề mặt bị nhiễm vi-rút AI. Sau khi tháo bỏ bao tay bảo vệ **tôi đồng ý/không đồng ý (khoanh tròn)** để rửa tay với xà phòng và nước cho ít nhất 10-15 giây hoặc sử dụng các thủ tục khử trùng khác theo quy định của nhân viên Y tế.

_____ 9. **Tôi đồng ý/không đồng ý (khoanh tròn)** để tắm vào cuối ca làm trong phòng khử trùng tại chỗ hoặc qua sự sắp xếp với khách sạn địa phương sử dụng một phòng thay đồ cho để cởi bỏ quần áo và tắm rửa và một phòng sạch cho thay quần áo sạch để bạn về nhà. Sẽ không trong bất cứ trường hợp nào mà tôi bận quần áo được mặc trong một môi trường bị ô nhiễm AI: điều này bao gồm giày, quần lót, vãn vãn..

_____ 10. **Tôi đồng ý/không đồng ý (khoanh tròn)** để hoàn thành các câu hỏi y tế được đính kèm vào hoặc khoảng 7 ngày và một lần nữa vào 14 ngày sau khi tiếp xúc với vi trùng AI. Nếu tôi trả lời "vâng" cho bất kỳ câu hỏi nào **tôi đồng ý/không đồng ý (khoanh tròn)** để được giới thiệu đến các cán bộ Y tế và làm theo các hướng dẫn của họ để kiểm tra thêm và thu thập các vật mẫu khi cần thiết. Tôi hiểu rằng các thông tin sức khỏe cá nhân của tôi có thể được chia sẻ với sở y tế địa phương và tiểu bang thích hợp và **tôi đồng ý/không đồng ý (khoanh tròn)** để làm theo các hướng dẫn thêm từ các cơ quan này nếu được yêu cầu để làm như vậy.

_____ 11. **Tôi hiểu/không hiểu (khoanh tròn)** rằng các cán bộ về cả hai An toàn và Y tế sẽ có mặt tại chỗ để trả lời bất cứ câu hỏi mà tôi có thể quan tâm về các nguyên tắc này.

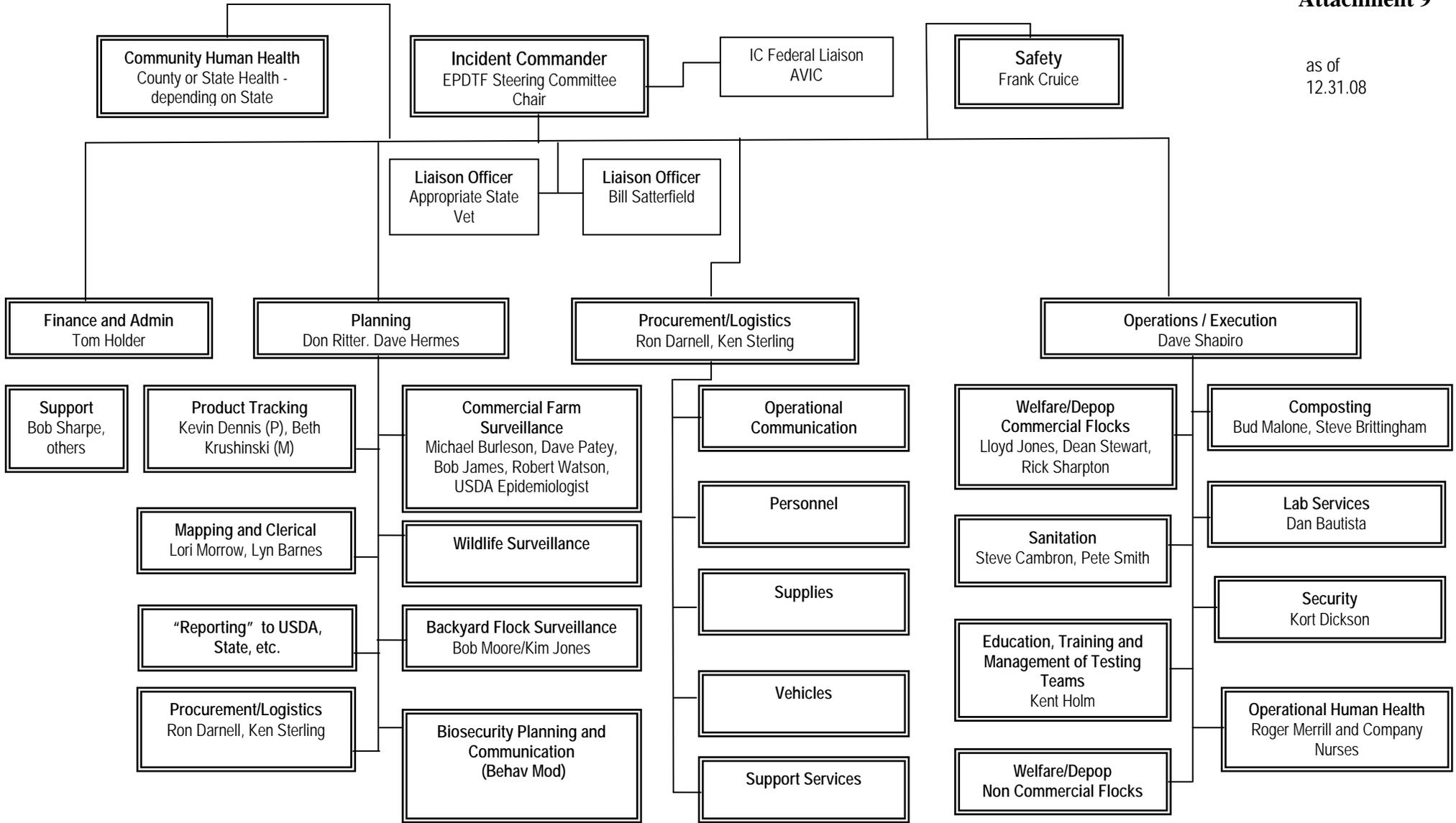
Ghi Tên: _____ Ngày: _____

Chữ ký: _____

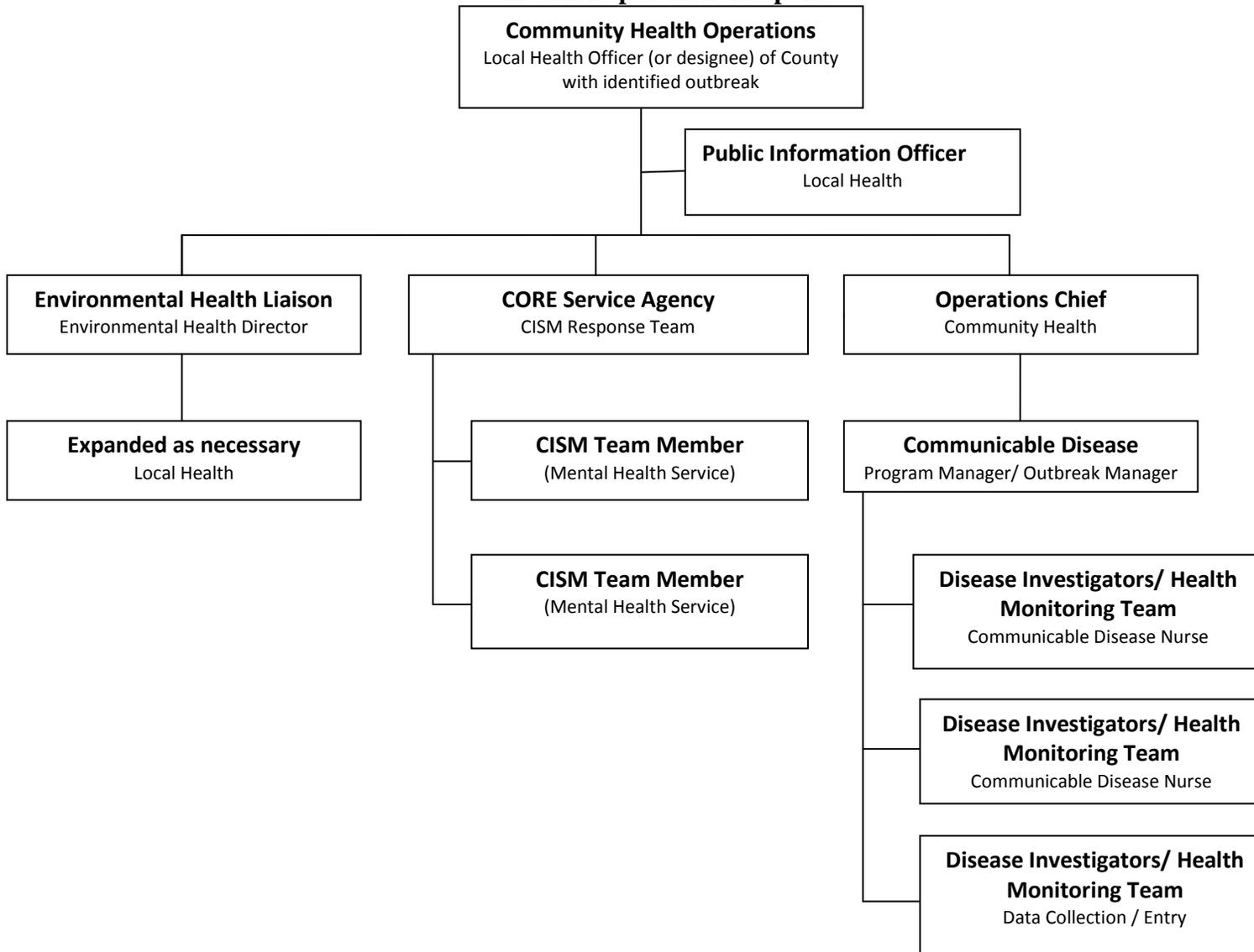
Lực lượng Đặc nhiệm Dịch Cúm Gia cầm Delmarva vào ngày 17 tháng Mười năm 2005
Sửa đổi Ngày 22 tháng Năm năm 2006, ngày 23 tháng Hai năm 2007, ngày 1 tháng Hai năm 2008, ngày 4 tháng Ba năm 2008

Attachment 9

as of
12.31.08



**Rapid Response Team: Avian Influenza
Health Department Response**



DRAFT Algorithm for Public Health Response to Avian Influenza in Poultry

Scenario	Responders (Primary Contacts)	Close contacts of responders (Secondary Contacts)
Detection of avian influenza in poultry or other bird populations that requires a response	<ul style="list-style-type: none"> • Before going on site, ensure responders complete AI Exposure Symptom Questionnaire – exclude anyone who responds “yes” in health assessment section • Provide seasonal flu vaccine • Provide antiviral prophylaxis from first day on site through 7 days after last day on site • Re-administer AI Exposure Symptom Questionnaire at day 7 and day 14 or according to guidance • No quarantine; isolate if develop symptoms • Report any illness immediately to health department 	<ul style="list-style-type: none"> • Ensure close contacts self-monitor for symptoms • Encourage seasonal flu vaccine • No antiviral prophylaxis • No work quarantine
Evidence of symptoms in 1 responder (Concern for or confirmed bird-to-human transmission)	<p>Symptomatic responders:</p> <ul style="list-style-type: none"> • Test, isolate, and treat symptomatic person <ul style="list-style-type: none"> • Health Department will determine end of isolation • Ensure s/he has received seasonal flu vaccine • Report immediately to health department <p>Asymptomatic responders:</p> <ul style="list-style-type: none"> • No quarantine; isolate if develop symptoms 	<p>Contacts of ill responder, the Health Department:</p> <ul style="list-style-type: none"> • Places on work quarantine (only if case is confirmed) <ul style="list-style-type: none"> • If contact is healthcare worker, restrict from work (i.e., place on full quarantine) • Monitors for symptoms • Ensures close contacts have received seasonal flu vaccine • Prior to confirmation of AI in ill responder: considers recommending antiviral prophylaxis for close contacts of ill responder • Once confirmed AI in ill responder: ensures antiviral prophylaxis for close contacts of ill responder <p>Contacts of asymptomatic responders, the Health Department:</p> <ul style="list-style-type: none"> • Ensures close contacts self-monitor for symptoms
Evidence of symptoms in >1 responder (Concern for or confirmed efficient bird-to-human transmission)	<p>Symptomatic responders:</p> <ul style="list-style-type: none"> • Test, isolate, and treat all symptomatic persons <ul style="list-style-type: none"> • Health Department will determine end of isolation • Ensure they have received seasonal flu vaccine <p>Asymptomatic responders:</p> <ul style="list-style-type: none"> • “Work quarantine” all responders (if ruled out, discontinue quarantine) 	<p>Contacts of ill responder, the Health Department:</p> <ul style="list-style-type: none"> • Places on work quarantine (only if case is confirmed) <ul style="list-style-type: none"> • If contact is healthcare worker, restrict from work (i.e., place on full quarantine) • Monitors for symptoms • Ensures close contacts have received seasonal flu vaccine • Prior to confirmation of AI in ill responder: considers recommending antiviral prophylaxis for close contacts of ill responder • Once confirmed AI in ill responder: ensures antiviral prophylaxis for close

		<p>contacts of ill responder</p> <p>Contacts of asymptomatic responders, the Health Department:</p> <ul style="list-style-type: none"> Ensures close contacts self-monitor for symptoms
<p>Known human-to-human transmission</p> <p>Elevated response by Public Health is indicated</p>	<p>Symptomatic responders:</p> <ul style="list-style-type: none"> Test, isolate, and treat all symptomatic persons <ul style="list-style-type: none"> Health Department will determine end of isolation Ensure they have received seasonal flu vaccine <p>Asymptomatic responders:</p> <ul style="list-style-type: none"> “Work quarantine” all responders (if ruled out, discontinue quarantine) 	<p>Initial Response:</p> <p>Symptomatic contacts of ill responders, the Health Department:</p> <ul style="list-style-type: none"> Ensures testing, isolation, and treatment of all symptomatic persons <ul style="list-style-type: none"> Health Department will determine end of isolation Ensures close contacts have received seasonal flu vaccine Prior to confirmation of AI in ill responder: considers recommending antiviral prophylaxis for close contacts of ill responder Once confirmed AI in ill responder: ensures antiviral prophylaxis for close contacts of ill responder <p>Asymptomatic contacts of ill responder, the Health Department:</p> <ul style="list-style-type: none"> Monitors for symptoms Ensures close contacts have received seasonal flu vaccine Prior to confirmation of AI in ill responder: considers recommending antiviral prophylaxis for close contacts of ill responder Once confirmed AI in ill responder: ensures antiviral prophylaxis for close contacts of ill responder If close contact of ill responder or suspect case, then quarantine <p>Sustained Response:</p> <ul style="list-style-type: none"> Subject to reassessment and adjustment as situation develops.

Definition or explanation

Health Department: means local or state health department as determined by situation and residency

Isolation: Separation for the period of communicability of infected persons from others, so as to prevent or limit the direct or indirect transmission of the infectious agent from those who are infected to those who are susceptible.

Quarantine: To detain exposed persons until the incubation period of an infectious disease has passed.

Work quarantine: Restriction of activities to traveling directly from home to work without using public transit and without stopping at any other destination.