

## HPAI MN Tactical Epidemiologist SOP

Objective: Provide consistent method for the epidemiology process and ensure biosecurity during the HPAI.

### Before leaving the Emergency Operations Center (EOC) – collect supplies needed

- Clipboard
- Garbage bags
- Paper towels
- Rubber Tub
- Boot Brush
- Hand Pressure Sprayer
- Small Bottle Sprayer
- Disinfectant
  - Virkon – S
  - Lysol Spray
  - Hand Sanitizer
  - Wipes (Lysol and/or hand wipes)
- Virkon Test Strips
- Water Container (5 gallon)
- First aid kit for vehicle
- As Needed
  - Insect Repellant
  - Sunscreen
- Assemble PPE
  - Tyvek Coveralls
  - Boot covers
  - N95 respirators (minimum, if fit tested)
  - Latex or Nitrile gloves (inner and outer gloves)
  - Head Bonnet
  - Hearing Protection (disposable ear plugs if needed)
  - Safety glasses/goggles or face shield
  - Duct Tap

### 1. Coordinate with your team leader to get access to EMRS2

- Obtain access to the ICP network and printers and Google Earth if not already installed in your computer.
- Your team leader will assign you premises to conduct the questionnaire.

### 2. Familiarize yourself with the HPAI Investigation Questionnaire before you communicate with the Point of Contact (POC) of the infected premises (IP).

### 3. Contact the Case Manager for the IP – case managers may be listed EMRS

- The case manager will provide you with the name and contact information for the POC for the IP
- Be aware, the case manager listed in EMRS2 may not be the current manager (people are being demobilized on a routine basis).
- Check with your team leader or the “case management process chart” on the wall of the ICP for the most current information.

### 4. Contact the POC

- Let them know the interview process has two steps because we cannot bring the questionnaire papers onto the IP because papers cannot be properly disinfected
  - Step 1 - the questionnaire
    - This interview should be conducted in a public place e.g. a café, restaurant, library or the company’s office. DO NOT MEET ON THE INFECTED PREMISES.

- Step 2 – visit the infected premises
5. Enter the interview date and time into EMRS (see attached EMRS2 guideline)
6. Prior to the interview print the following:
- Copy of questionnaire
  - Map of Infected Premises - with details on how many barns, roads, feeding towers and other buildings are present at this facility
    - If there is more than one poultry farm in the area, familiarize yourself with the current status of the other facilities.
    - If any of these facilities have tested negative for HPAI, try to avoid driving near if possible.
7. You may conduct interviews with another team member if you don't feel comfortable going to the interview or visiting the IP by yourself. Talk to your team leader to arrange this. Remember to use the buddy system if necessary.
8. Conduct interview in a clean location
9. IP Investigation
- Establish a Cold/Hot Zone (clean/dirty line)
  - Park vehicle in the Cold Zone and don PPE
    - Remove all jewelry, watches, and cell phones (unless cell phone is sealed in a plastic bag)
    - Put on first set of disposable booties inside of vehicle
    - Don disposable coveralls (use duct tape to make a zipper pull)
    - Put on second set of disposable booties.
    - Wrap duct tape around top of booties
      - Make a tab with the end of the tape to facilitate doffing
      - To avoid chaffing the tab, it should be placed on the outside of the leg
    - Put on first pair of gloves – this pair of gloves should be under the sleeve of the disposable coverall
    - Put on second pair of gloves and wrap duct tape around the top of the gloves
      - Make a tab with the end of the tape to facilitate doffing
      - To avoid chaffing the tab, it should be placed on the outside of the arm
    - Put on the respirator
    - Put on safety glasses/goggles
    - Put on head bonnet
  - Remember to bring 2 garbage bags, boot brush and bucket with 1% Virkon, and Virkon bottle sprayer to the Cold Zone border

**YOU MUST WEAR PPE ON INFECTED PREMISES**

10. Conduct Inspection

- If the manager of the facility did not provide copies of the daily mortality for the 2 weeks before the positive diagnosis, ask the manager to take pictures on their phone so they can email or text them to your government phone. Remember to include these copies on your final report.
- Visually verify Biosecurity measures noted in the questionnaire
  - Note vegetation, wash stations, signage, changing and showering areas, foot baths, rodent and insect control measures, presence or evidence of rodents, birds, or other wildlife.
  - Feel free to note anything not in the questionnaire that you, as the epidemiologist, deem to be a potential risk factor for HPAI transmission.

11. Doff PPE

- Go to established Hot/Cold Zone (clean/dirty line)
- Examine PPE for any damage
- Spray plastic bag containing paperwork and phone with 1% solution of Virkon, set in a clean area
- Unzip Tyvek and grab shoulders and pull arms along with the outer pair of gloves and turn Tyvek inside out
- Only touch the inside of the Tyvek with gloved hands as you continue to roll the suit inside out
- Step out of the Tyvek along with the outer bootie as you step from the dirty side to the clean side. – KEEP INSIDE SET OF BOOTIES ON UNTIL YOU REACH YOUR VEHICLE
- Dispose of the Tyvek in the garbage bag
- Remove hair net and dispose of in garbage bag
- Remove respirator
- Remove safety glasses/goggles and spray with 1% solution of Virkon, set in a clean area
- Remove gloves and dispose of in garbage bag – close bag
- Spray the outside of the trash bag with Virkon –S and place inside a clean bag.
- Leave the garbage bag on the premises (unless the owner objects) – ensure garbage bag is secured so it won't blow around
- Remove booties as you re-enter the vehicle and place in clean garbage bag maintained at the vehicle
- Spray shoes and floor mats with disinfectant
- Use hand sanitizer and wipes after you enter the vehicle

12. Record Observations once you are back at your vehicle, remember to write your notes of the visit to the IP as soon as possible, so you don't forget important details.

13. Prior to Returning to EOC

- Wash the vehicle, disinfect appropriate areas of the interior and exterior of the vehicle
- Shower and change clothing prior to entering the EOC, common areas of work, or other public areas (within reason).

REMINDER: After you demobilize remember to stay away from all type of poultry for at least 5 days from the date of your last visit to an infected premises.