



Chickens: Safety and Best Practices

Written by: Twila Parish-Short, MEd., Science Educator

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Introduction

When you have backyard chickens and are concerned about communicable diseases, it's important to follow safety guidelines and best practices to protect both your flock and yourself.

Safety measures and best practices:

1. Practice Good Hygiene

- **Wash Hands:** Always wash your hands thoroughly with soap and water after handling chickens, cleaning their coop, or touching eggs. This helps prevent the spread of diseases such as Salmonella.
- **Wear Gloves and Boots:** Consider wearing gloves and dedicated boots when handling chickens or cleaning the coop, especially if you are cleaning areas with feces. This reduces the risk of spreading diseases.
- **Clean Equipment and Tools:** Regularly disinfect any tools, feeders, waterers, and equipment used for the chickens.

2. Monitor for Symptoms

- **Watch for Illness:** Keep an eye on your chickens for any signs of illness, such as lethargy, coughing, runny eyes, swelling, diarrhea, or sudden death. These could indicate diseases like avian flu, Newcastle disease, or coccidiosis.
- **Isolate Sick Birds:** If any chickens show symptoms of illness, immediately isolate them from the rest of the flock to prevent potential

spread of disease. Seek advice from a veterinarian for proper diagnosis and treatment.

3. Implement Biosecurity Measures

- **Limit Visitor Access:** Restrict access to your flock from other poultry or animals, and prevent strangers from touching your chickens. This can help reduce the risk of introducing diseases from external sources.
- **Quarantine New Birds:** Before introducing new chickens into your flock, keep them isolated from the rest of the birds for at least 30 days. This helps prevent the introduction of diseases from new or potentially infected birds.
- **Control Wildlife Access:** Prevent wild birds or rodents from coming into contact with your chickens or their feed. Wild animals can carry diseases like avian influenza.

4. Proper Waste Disposal

- **Clean the Coop Regularly:** Make sure to clean the coop regularly to prevent the buildup of manure and waste, which can harbor harmful bacteria and parasites.
- **Dispose of Waste Safely:** Dispose of chicken waste properly. Composting manure at high temperatures can help kill pathogens.

5. Vaccinate Your Flock

- **Consult a Veterinarian:** Speak to a vet about vaccination options for common poultry diseases, such as Marek's disease, avian influenza, or Newcastle disease. Vaccinations can help protect your flock from certain diseases.

6. Control Parasites

- **De-worm and Treat for External Parasites:** Regularly check for internal parasites like worms and external pests like mites or lice. Use deworming products or other veterinary-recommended treatments as needed.
- **Provide Clean Bedding:** Change bedding frequently and ensure your chickens have a dry, clean environment to prevent parasites from thriving.

7. Follow Local Regulations

- **Report Disease Outbreaks:** If you suspect your flock has contracted a serious disease, such as avian influenza, report it to local agricultural authorities immediately. There may be regulations and control measures in place to prevent the spread of diseases to other flocks.

8. Educate Yourself

- **Stay Informed:** Stay updated on poultry diseases and outbreaks in your region. Many local agricultural departments or poultry organizations offer educational resources and alerts regarding poultry health and disease outbreaks.

By following these best practices, you can help reduce the risk of communicable diseases spreading among your chickens and ensure the health of both your flock and yourself. If you have any concerns or need further guidance, it's always a good idea to consult with a local veterinarian or poultry expert.

Avian influenza (AI)

Avian influenza (AI), commonly known as bird flu, is a serious viral disease that affects domestic and wild birds, including chickens. For backyard chicken owners, it's essential to follow safety practices and best management measures to protect your flock from exposure to this disease. Here's how to address avian influenza in your backyard chickens:

1. Understand Avian Influenza

- **Symptoms in Chickens:** Avian influenza can range from mild to severe. Common signs include sudden deaths, coughing, sneezing, nasal discharge, diarrhea, swelling around the head and neck, discoloration of the comb or legs, and a drop in egg production.
- **Transmission:** The virus spreads through contact with infected birds, their droppings, contaminated feed, water, equipment, and even by wild birds. Direct contact with infected birds or contaminated surfaces increases the risk.

2. Biosecurity Measures

- **Limit Contact with Wild Birds:** Prevent wild birds from having access to your chickens, as they are a common source of avian influenza. Keep chickens indoors or in fully enclosed runs, especially during migration seasons when wild birds are most active.
- **Control Visitor Access:** Limit visitors to your chicken area. If others must enter, ensure they follow biosecurity protocols such as washing their hands and disinfecting footwear before entering the poultry area.
- **Quarantine New Birds:** When adding new chickens to your flock, quarantine them for at least 30 days before introducing them to the main flock. This will help detect any potential illness or infection.
- **Disinfect Equipment and Surfaces:** Regularly disinfect tools, equipment, and surfaces such as feeding trays, waterers, and nesting boxes to reduce the risk of contamination.

3. Maintain a Clean and Safe Environment

- **Clean Coop and Surroundings:** Frequently clean your chicken coop and surrounding areas to minimize the buildup of droppings, which can harbor the virus. Remove bedding and waste, and disinfect the area regularly.

- **Control Water and Feed Sources:** Ensure that chickens have access to clean water and feed. Do not allow wild birds to drink from or feed on the same water or feed sources used by your flock.

4. Monitor for Symptoms

- **Daily Observation:** Regularly check your flock for signs of illness, including sudden deaths, respiratory distress, and changes in behavior. If you notice anything unusual, immediately isolate the affected birds and contact a veterinarian for advice.
- **Report Suspected Cases:** If you suspect your chickens have avian influenza, report it to local agricultural authorities or the Department of Agriculture. Avian influenza is a notifiable disease, and early detection and containment are crucial.

5. Limit Movement of Chickens

- **Restrict Flock Movement:** Avoid moving your chickens from one location to another to minimize the risk of exposure to infected birds. Avoid taking them to poultry shows, markets, or events that could expose them to potential disease sources.

6. Proper Waste Disposal

- **Dispose of Infected Birds Safely:** If a bird is found dead or is diagnosed with avian influenza, follow local guidelines for disposing of the body safely to prevent the virus from spreading. This often includes contacting local authorities for proper disposal methods.
- **Sanitize the Coop:** After any bird death, thoroughly clean and disinfect the coop and all associated equipment to eliminate any possible contamination.

7. Protect Yourself

- **Wear Protective Gear:** If handling sick birds or cleaning areas where infected birds may have been, wear gloves, a mask, and protective clothing to reduce the risk of exposure. Wash your hands thoroughly after interacting with your chickens.
- **Avoid Handling Sick Birds:** If you suspect a bird is infected with avian influenza, avoid direct contact unless necessary, and wear protective gear to minimize exposure to the virus.

8. Vaccination (Where Available)

- **Consult a Veterinarian:** In some areas, avian influenza vaccination may be available for poultry. Consult with a veterinarian about vaccination options, especially if you're in a high-risk region for avian flu outbreaks. However, vaccination is typically not a substitute for other biosecurity measures.

9. Stay Informed

- **Follow Local Updates:** Stay updated on any avian influenza outbreaks in your area by checking with local agricultural or health authorities. They often provide alerts, guidelines, and additional recommendations for poultry owners.
- **Education:** Educate yourself and any others involved in caring for your flock about avian influenza and biosecurity practices. Understanding the risks and best practices is key to preventing the spread of the disease.

10. Prepare for an Outbreak

- **Have a Contingency Plan:** In the event of an outbreak in your area, be prepared to follow local authorities' guidelines regarding flock management. This may include culling affected birds or taking other measures to contain the disease.

- **Keep Records:** Maintain accurate records of your flock, including their health status, purchase history, and any changes in the flock's population. This can help authorities in case of an outbreak.

Summary of Key Best Practices:

- **Limit exposure to wild birds** and other poultry to prevent transmission.
- **Practice strict biosecurity measures**, including isolating new birds and disinfecting equipment regularly.
- **Monitor your flock** for symptoms and contact authorities if avian influenza is suspected.
- **Stay informed** about outbreaks in your area and follow recommendations from local agricultural departments.
- **Wear protective gear** and wash hands frequently to protect yourself and prevent the spread of the virus.

By taking these precautions, you can help protect your flock from avian influenza and limit the spread of the disease. Stay vigilant, and always follow local regulations and expert advice when it comes to handling potential outbreaks.

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