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State epidemiologist Dr. Sarah Kemble holds a news conference Thursday to discuss the recent detection of avian influenza virus in a wastewater sample from Oahu.

Today, state officials announced the first confirmed detection of avian influenza in Hawaii, found in a backyard flock in Central Oahu. The Hawaii Department of Agriculture received reports of at least ten deceased birds, including ducks and a zebra dove, within the vicinity of the Wahiawa Wastewater Treatment Plant.

Although human infections with the H5N1 strain are rare and generally mild, Dr. Sarah Kemble emphasized, "The current risk of transmission to Hawaii residents is low." However, residents are advised to avoid contact with sick or dead birds.

Symptoms in humans may include conjunctivitis and respiratory issues like sore throat or cough, yet sustained human-to-human transmission has not yet been documented.

The Health Department is actively investigating possible human exposures and is aware that treatment for



avian flu is most effective when commenced early.

Officials reported strict quarantine measures are in effect, mandating the depopulation of affected birds and thorough disinfection of the area. They are uncertain how the virus reached Hawaii, although it lies along the migratory bird pathway.

For any unusual bird illnesses, residents are encouraged to contact HDOA's Animal Industry Division at 808-483-7102.

Vocabulary List:

1. **Influenza** /,ɪn.flu'ɛn.zə/ (noun): A viral infection that attacks the respiratory system.
2. **Transmission** /trænzɪs'mɪʃən/ (noun): The act of passing something from one person or place to another.
3. **Epidemiologist** /,ɛpɪ,dɪ:mi'ɒlədʒɪst/ (noun): A specialist in the study of how diseases spread and can be controlled.
4. **Quarantine** /'kwɔ:ɾ.ən.ti:n/ (noun): A period of isolation imposed to prevent the spread of disease.
5. **Disinfection** /,dɪsɪn'fɛkʃən/ (noun): The process of cleaning something to remove or destroy pathogens.
6. **Conjunctivitis** /,kɒn.dʒʌŋk.tɪ'vaɪ.tɪs/ (noun): An inflammation of the outer membrane of the eyeball and the inner eyelid.

Comprehension Questions

Multiple Choice

1. Where was the first confirmed detection of avian influenza in Hawaii found?

- Option: Backyard flock in Central Oahu
- Option: Kauai
- Option: Maui
- Option: Big Island

2. What are some symptoms of avian flu in humans?

- Option: Conjunctivitis and respiratory issues
- Option: Headache and joint pain
- Option: Fever and muscle aches
- Option: Abdominal pain and vomiting

3. What is the recommended action for residents in response to avian flu detection in Hawaii?



- Option: Avoid contact with sick or dead birds
- Option: Collect samples for testing
- Option: Organize a community event
- Option: Adopt more birds as pets

4. How is treatment for avian flu most effective?

- Option: When commenced early
- Option: When conducted with surgery
- Option: When administered in high doses
- Option: When combined with herbal remedies

5. What measures are officials taking in response to the avian flu detection in Hawaii?

- Option: Depopulation of affected birds and disinfection of the area
- Option: Transporting birds to another island
- Option: Ignoring the situation
- Option: Creating a bird sanctuary

6. How can residents report unusual bird illnesses?

- Option: Contact HDOA's Animal Industry Division at 808-483-7102
- Option: Post on social media
- Option: Notify the local grocery store
- Option: Send an email to the mayor

True-False

- 7. Human-to-human transmission of avian flu has been documented in Hawaii.
- 8. Dr. Sarah Kemble stated that the current risk of transmission to Hawaii residents is high.
- 9. Avian flu symptoms in humans can include sore throat and cough.
- 10. Treatment for avian flu is more effective when started early.
- 11. The Hawaii Department of Agriculture advised residents to avoid contact with sick or dead birds.
- 12. Officials are certain about how the avian flu virus reached Hawaii.



Gap-Fill

13. Residents are encouraged to contact HDOA's Animal Industry Division at _____
for any unusual bird illnesses.
14. The Hawaii Department of Agriculture received reports of at least ten deceased birds, including ducks
and a zebra dove, within the vicinity of the _____.
15. Dr. Sarah Kemble emphasized that the current risk of transmission of avian flu to Hawaii residents is
_____.
16. Quarantine measures are in effect, mandating the _____ of affected birds and
thorough disinfection of the area.
17. Dr. Sarah Kemble discussed the recent detection of avian influenza virus in a wastewater sample from
_____.
18. The Health Department is actively investigating possible human exposures and is aware that treatment
for avian flu is most effective when commenced _____.

Answer

Multiple Choice: 1. Backyard flock in Central Oahu 2. Conjunctivitis and respiratory issues 3. Avoid contact with sick or dead birds 4. When commenced early 5. Depopulation of affected birds and disinfection of the area 6. Contact HDOA's Animal Industry Division at 808-483-7102

True-False: 7. False 8. False 9. True 10. True 11. True 12. False

Gap-Fill: 13. 808-483-7102 14. Wahiawa Wastewater Treatment Plant 15. low 16. depopulation 17. Oahu 18. early

Vocabulary quizzes



Multiple Choice (Select the Correct answer for each question.)

1. What type of disease occurs when the immune system mistakenly attacks healthy body tissues?
Option: Exhaustion
Option: Autoimmune
Option: Influenza
Option: Conjunctivitis
2. How is the flu virus primarily spread from person to person?
Option: Diagnosis
Option: Vaccination
Option: Transmission
Option: Disinfection
3. What term describes an increased likelihood of developing a particular disease based on genetic factors?
Option: Initiative
Option: Predisposition
Option: Combustion
Option: Hypersensitivity
4. Which term describes a person or group at a higher risk of being harmed?
Option: Perception
Option: Inflammation
Option: Outsider
Option: Vulnerable
5. What factor refers to the ability to make a purchase or pay for services?
Option: Cultivate
Option: Affordability
Option: Transmission
Option: Pollution
6. What process involves identifying a disease or condition based on symptoms and test results?
Option: Excessive
Option: Consumption
Option: Diagnosis
Option: Advocate
7. How does pollution primarily enter the body causing potential health issues?
Option: Strategies
Option: Inhaled
Option: Initiative



Option: Influenza

8. Which term refers to the way in which something is viewed or understood?

- Option: Predisposition
- Option: Perception
- Option: Advocate
- Option: Hypersensitivity

9. What term means to accept or support something willingly?

- Option: Epidemiologist
- Option: Embrace
- Option: Pollution
- Option: Vulnerable

10. What term describes a difficult and prolonged effort to achieve something?

- Option: Struggle
- Option: Initiative
- Option: Hypersensitivity
- Option: Affordability

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. _____ can occur due to prolonged physical or mental exertion leading to fatigue.

12. After facing a challenging situation a sense of _____ may bring comfort and relaxation.

13. _____ is an inflammation of the transparent membrane covering the white part of the eye.

14. Taking the _____ to start a new project can lead to positive outcomes and progress.

15. Excessive _____ of unhealthy foods can contribute to various health issues.

16. An _____ for change promotes and supports actions for a specific cause or issue.

17. Developing effective _____ can help in achieving long-term goals and success.

18. _____ in the environment can have negative effects on human health and



ecosystems.

19. It is important to _____ new ideas to foster innovation and growth.

20. Individuals with _____ may react strongly to certain triggers due to heightened response.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. He was in _____ when he heard the unbelievable news.
22. The annual vaccine is recommended to reduce the risk of flu infection.
23. To be successful in life one must _____ positive habits and attitudes.
24. Maintaining an optimistic outlook can enhance one's sense of _____.
25. She acts as an _____ for animal rights and welfare in her community.
26. Individuals who may have been exposed to a contagious illness are placed in _____ to prevent spread.
27. The process of fossil fuels burning results in _____ and the release of harmful gases.
28. Feeling like an _____ among a new group of people can be challenging.
29. Efforts to reduce air and water _____ are crucial for environmental sustainability.
30. Understanding the modes of _____ of infectious diseases is vital for public health interventions.

Answer

Multiple Choice: 1. Autoimmune 2. Transmission 3. Predisposition 4. Vulnerable 5. Affordability 6. Diagnosis 7. Inhaled 8. Perception 9. Embrace 10. Struggle

Gap-Fill: 11. Exhaustion 12. Relief 13. Conjunctivitis 14. Initiative 15. Consumption 16. Advocate 17. Strategies 18. Pollution 19. Embrace 20. Hypersensitivity

Matching sentence: 1. Disbelief 2. Influenza 3. Cultivate 4. Positivity 5. Advocate 6. Quarantine 7. Combustion 8. Outsider 9. Pollution 10. Transmission

CATEGORY

- 1. Health - LEVEL4



Date Created

2024/11/16

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