



Worry mounts as avian flu expands in US cattle: 32 herds affected across 8 states

Description

The spread of highly pathogenic avian influenza (H5N1) in US dairy cows has experts concerned, as the virus continues to affect new herds and states. The US Department of Agriculture has identified 32 affected herds across eight states, with unclear links between the cases. The virus is believed to be transmitted through cow-to-cow contact, possibly via contaminated milking equipment.

The uncertainty surrounding the virus's spread has raised fears about its potential evolution to infect mammals and humans. The World Health Organization has expressed alarm over the situation, emphasizing the risk of the virus developing the ability to infect humans. Experts are particularly cautious about the virus spreading to pig farms, where new recombinant flu strains could emerge.

Although genetic sequences of the virus in cows have not shown mutations for increased transmissibility to humans, concerns remain about the lack of information sharing from the USDA. Following criticism, the USDA has released genetic data to enhance transparency and facilitate research on the virus.

Overall, while the risk to the public is deemed low, precautions are advised for those in direct contact with infected animals. Despite the relatively mild impact of H5N1 in cows, measures are being taken to ensure the safety of milk products in the food supply chain.

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Vocabulary List:

1. **Pathogenic** // (adjective): Capable of causing disease.
2. **Influenza** // (noun): A common viral infection that can be deadly especially in high-risk groups.
3. **Herd** // (noun): A group of animals of a single kind.
4. **Transmit** // (verb): To pass something from one person or place to another.
5. **Contaminated** // (adjective): Made impure by exposure to or addition of a poisonous or polluting substance.
6. **Recombinant** // (adjective): Formed by combining genetic materials from different sources.

Vocabulary quizzes

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

1. Which substance is known for its appetite-stimulating effects?
Option: Marijuana
Option: Tetrahydrocannabinol
Option: Euphoria
Option: Pathogenic
2. What is the process of a pathogenic agent moving from one host to another known as?
Option: Transmission
Option: Stimulation
Option: Restriction
Option: Hindrance
3. What is the sudden increase in the number of cases of a specific disease in a population known as?
Option: Outbreak
Option: Cravings
Option: Avian
Option: Contagion
4. What term refers to actions taken to improve a situation particularly in a medical context?
Option: Intervention
Option: Alarmed
Option: Dispensing
Option: Legal consequences



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5. What term is used to describe differences or inequalities especially in health outcomes?
- Option: Disparities
 - Option: Premature
 - Option: Ethnicities
 - Option: Implementation
6. What is the state of being unwilling or hesitant to do something?
- Option: Reluctance
 - Option: Hindering
 - Option: Appetite
 - Option: Cravings
7. Which term describes DNA that has been artificially created by combining the genetic material of different sources?
- Option: Recombinant
 - Option: Pathogenic
 - Option: Influenza
 - Option: Herd
8. What term refers to the act of distributing or providing something typically medicine?
- Option: Dispensing
 - Option: Avian
 - Option: Contaminated
 - Option: Outbreak
9. What potential outcomes could someone face for engaging in illegal activities?
- Option: Legal consequences
 - Option: Stimulate
 - Option: Euphoria
 - Option: Fatality
10. What term refers to the process of putting a decision or plan into effect?
- Option: Implementation
 - Option: Tailored
 - Option: Transmission
 - Option: Avian

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

11. _____ for sugary snacks can hinder weight loss efforts and lead to health problems.
12. In cases of extreme negligence accidents can result in _____ and legal



consequences.

13. Public health programs should be tailored to meet the needs of diverse _____

within a population.

14. Citizens became _____ when news of the contagious outbreak spread through the community.

15. The samples were found to be _____ with a pathogenic bacteria leading to a public health scare.

16. The spread of the _____ flu among flocks of birds raised concerns about potential human transmission.

17. Caffeine is known for its _____ effects on the central nervous system.

18. Constant interruptions were _____ progress on the research project.

19. Certain strains of bacteria can become more _____ under specific environmental conditions.

20. _____ births can lead to long-term health issues for infants.

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

21. The rapid of the virus within the community alarmed public health officials.
22. The drug induced feelings of intense and happiness in the users.
23. Persistent sugar can lead to obesity and related health issues.
24. Animals in close can facilitate the rapid spread of certain infections.
25. The development of DNA technology revolutionized genetic engineering.
26. Community health workers implemented various to control the disease outbreak.



27. is the primary psychoactive component found in marijuana.
28. The sudden increase in flu cases signaled a potential influenza in the region.
29. The success of the public health campaign relied on the efficient of preventive measures.
30. Engaging in illegal activities can lead to severe for individuals.

Answer

Multiple Choice: 1. Marijuana 2. Transmission 3. Outbreak 4. Intervention 5. Disparities 6. Reluctance 7. Recombinant 8. Dispensing 9. Legal consequences 10. Implementation

Gap-Fill: 11. Cravings 12. Fatality 13. Ethnicities 14. Alarmed 15. Contaminated 16. Avian 17. Stimulation 18. Hindering 19. Pathogenic 20. Premature

Matching sentence: 1. Transmission 2. Euphoria 3. Cravings 4. Herds 5. Recombinant 6. Interventions 7. Tetrahydrocannabinol 8. Outbreak 9. Implementation 10. Legal consequences

CATEGORY

1. Health - LEVEL3

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