

# Summary:

## Highly Pathogenic Avian Influenza Outbreak Emergency Response and Coordination Efforts



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# Avian Influenza Incident Summary

## 2014–2015 outbreak

- *Largest highly pathogenic avian influenza (HPAI) outbreak ever recorded in the United States*
- 21 affected states
- 232 detections
- 50.5 million birds

## 2016 HPAI/low pathogenicity avian influenza (LPAI) outbreak

- H7N8 HPAI/LPAI
- One county in Indiana
- 414,000 birds

## 2017 HPAI/LPAI outbreak

- H7N9 HPAI/LPAI
- HPAI in Tennessee only
- LPAI in Tennessee (TN), Alabama (AL), Kentucky (KY), and Georgia (GA)
- 253,000 birds

## 2015 Lessons Learned

- **Speed!**
  - Need to depop quickly and reduce viral load to decrease opportunities for spread.
- Biosecurity and biocontainment
  - Day to day at barn level – not just farm level
  - Day one of outbreak- every person/vehicle entering and exiting premises
- Producer needs ONE consistent POC or case manager, not revolving door
- Financial processes
  - Too slow and cumbersome
  - Need to allow producer control of processes on farm

# Prominent Policy Updates Since 2015

- Stamping-Out & Depopulation Policy
  - Primary control and eradication strategy for HPAI in domestic poultry, as defined by the World Organization for Animal Health (OIE), is stamping-out.
  - Establishment of a depopulation goal of 24-hours or less after a presumptive positive classification.
- Ventilation Shutdown Evidence & Policy
  - Designating Ventilation Shutdown (VSD) as an adjunct method if primary methods won't achieve depopulation to meet the 24-hour depopulation goal—plan B.
  - VSD should be used only after careful consideration by State and APHIS officials concluding that no other method can achieve a sufficient, timely measure of assurance that the virus will not spread.
  - APHIS remains committed to finding new and innovative ways to accomplish goals of HPAI response.

# Prominent Policy Updates Since 2015 *continued*

- Improved and streamlined indemnity processes:
  - Only one form, *Appraisal and indemnity Request Form*, required to be signed before depopulation
  - Flat-rate payment for virus elimination activities
  - Split indemnity payments between owners and growers—Interim rule.
- Emergency response procedures:
  - Surveillance and Diagnostics
    - (e.g., *Surveillance Sampling for Commercial Premises in a Control Area*)
  - Quarantine, Movement Control, and Continuity of Business
    - [e.g., *Overview of the Emergency Response Management System (EMRS2) Customer Permit Gateway*)]
  - Disposal & Cleaning/Disinfection
    - (e.g., *Using Heat Treatment for Virus Elimination*)
  - Recovery & Restocking
    - (e.g., *Control Area Release*).
- *HPAI Response Plan: The Redbook*- Updated May 2017

For the comprehensive list of policy documentation, see [www.aphis.usda.gov/fadprep](http://www.aphis.usda.gov/fadprep).

# AI Financial Status

## 2014–2015 Outbreak

- \$850 million obligated by APHIS for HPAI response activities (\$200 million for indemnity)
- \$100 million additionally was made available for further disease preparedness activities
- The most expensive animal health incident in U.S. history

## 2016 HPAI/LPAI Outbreak

- \$30 million obligated for all response operations (\$4.9 million for indemnity)

## 2017 HPAI/LPAI Outbreak

- \$2.79 million obligated for the response (\$1.2 million for indemnity of HPAI premises) funded by remaining CCC funds
- LPAI Infected premises that depopulated did not receive indemnity funds or compensation for virus elimination activities

## APHIS WEBSITE

- <https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/emergency-management/fadprep-hpai>

## Virulent Newcastle Disease

- Formerly known as Exotic Newcastle Disease; is a contagious and fatal viral disease affecting respiratory, nervous, and digestive systems of birds and poultry
- Many die without showing signs
- Not a zoonotic concern
- May 18, 2018 case confirmed in California



# VND Update

- Add most recent report/link