



Restricted Use of HPAI Vaccine in California Condors

September 26, 2023



Coordination

- Multiple Federal Agencies
- State Animal Health Authorities
- Private sector



Written Vaccination Plan

Premises level

Biosecurity Plan

Record keeping requirements

- Individual medical record
- Individual animal Identification
- Individual vaccine record/certificate
- Accountability of vaccine – vaccine logs



Animal and Plant Health Inspection Service
U.S. DEPARTMENT OF AGRICULTURE

California Condor Recovery Program

USFWS

USFWS - Updates – [California Condor HPAI Response](#)



California Condor Recovery Program

USFWS

USFWS - updates

- 21 Condors tested
- 19 confirmed HPAI positive



Safety Study – North Carolina

- 20 North American Black Vultures – surrogate species
 - Group 1: 10 birds - 0.5 ml initial + booster dose
 - Group 2: 10 birds - 1.0 ml single dose, no booster
 - Group 3; 3 birds - no vaccine
- Vaccinated – 5/16/2023
- Blood draw - day 0, 10, 21, 31, and 42



Safety Study – North Carolina

- Group 1: 90% response with titer expected to be protective
- Group 2: 70% response with titer expected to be protective
- Group 3; controls, not vaccinated
- No adverse reactions noted



Safety Study – California Condors

- California Zoos
 - San Diego – 7 birds
 - Los Angeles – 8 birds
- Oregon Zoo – 10 birds

20 birds vaccinated total
5 birds are controls





Safety Study – California Condors

- 20 Condors
 - Group 1: 10 birds - 0.5 ml initial + booster dose
 - Group 2: 10 birds - 1.0 ml single dose, no booster
 - Group 3; 5 birds - no vaccine
- Vaccinated – July & August 2023
- Blood draw - day 0, 10, 21, 31, and 42
 - End of September





Next Steps

- Condors at rehabilitation facilities
- Condors not in captivity





Questions

