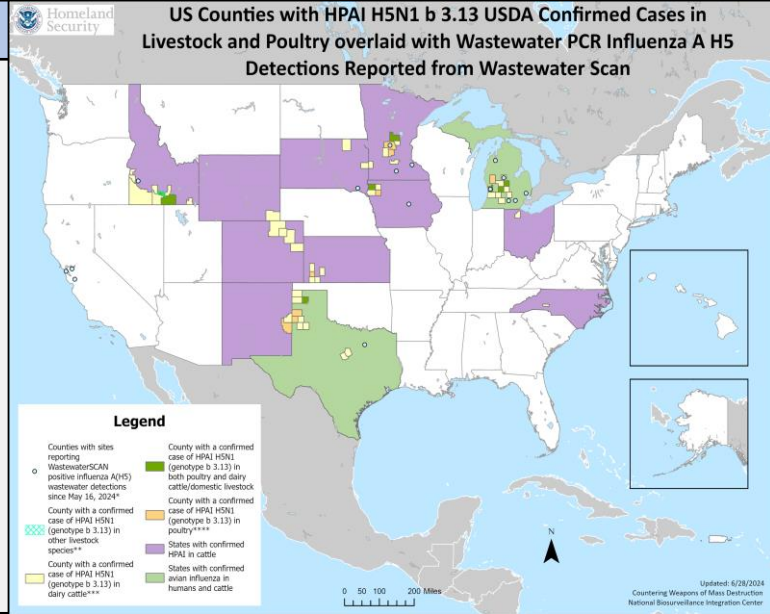




Executive Summary Since last report there are **16 new detections** in Cattle herds. (Total **132 herds (131 cattle, 1 alpaca)** in 12 states). There are **no** new human confirmed cases (Total 3 confirmed cases in 2 states).

Key Metrics

Epidemiology & Surveillance



Economic Impact

Key Indicators

Animal:

- Total number of livestock herds: **132 (+16)**
- Number of states: **12 (no change)**
- Number of counties: **49 (+0)**
- PCR tests* conducted **: **20,060**
- Premovement tests* conducted **: **5,818**
- Total affected poultry flocks in last 30 days: **11**
- Total detections in wild birds: **9,523 (+8)**
- Total detections in mammals: **327 (+2)**
- *These numbers do not represent the number of cattle tested due to multiple tests per sample and/or multiple animals per sample.
- ** Testing figures revised to include testing conducted at NVSL and NAHLN, since the Federal Order effective date, April 29, 2024
- ***Note-as of the week, wild bird and mammal weekly numbers are reported by detection date, rather than collection date.

Human:

- Continued coordination with states on monitoring for illness among workers on affected farms
- Monitored emergency department (ED) data, influenza testing data, and influenza hospital admissions in target counties (e.g., newly confirmed cases, where HPAI have been detected in dairy cattle, "high" influenza wastewater levels were identified, or where H5 was detected in partner wastewater monitoring sites using partner-developed assays) for any unusual trends
 - No unusual trends were identified
- Updated the **H5 surveillance webpage** with new data and summaries, including the addition of wastewater data monitoring for influenza A

Summary:

- Colombia has suspended imports of live cattle, raw beef, and beef products derived from cattle from affected states. They have provided a questionnaire that is required for resumption of trade, which was submitted to Colombia on June 19. **They have not yet responded to the submission.**
- The Dominican Republic has entirely lifted its import restrictions.

Trade Response:

- Questions posed by the governments of South Korea and The United Kingdom have both been responded to and delivery confirmed to their respective agencies.
- Sri Lanka is tightening import requirements, but their CVO states it is not considering this a ban.

Essential Actions:

- Number of states/territories with restrictions: **26/1 (+0)**

Key Indicators (Dairy)

- 12 State Affected Dairy Farms: **129 (0.5% US, 2.0% 12 State)**
- 12 State Affected Dairy Cows-Est.: **36,366 (0.4% US, 1.0% 12 State)**
- Reduction in US Milk Production-Est.: **0.2%**
- Total US Dairy Farms: **26,290** 12 State Dairy Farms: **6,520**
- Total US Dairy Cows: **9.35 million**

Food Safety and Laboratory Testing

Strategic Communications and Stakeholder Engagement

Food Safety

- On 6/17/2024 FDA initiated a second round of retail sample collection of pasteurized milk, pasteurized cheese, butter, ice cream, and aged raw milk cheese for HPAI H5N1 analysis at the USDA/ARS laboratory. This single blinded sampling program will run through mid July.
- FDA continues to work on a plan to conduct double blinded sampling of pre-pasteurized milk to be collected during routine sampling at milk processors.
- The FDA/USDA completed a pasteurization study and is currently working on a manuscript with USDA/ARS to publish the results.

Current Efforts:

- 6/24: USDA **revamped the APHIS website on HPAI detections in livestock** to make resources and information more user-friendly and easy-to-find and add a **standalone case dashboard**.
- 6/21: HHS and USDA participated in a joint briefing for health and ag committees of jurisdiction
- 6/21: HHS and USDA briefed farmworker and rural health advocates
- 6/25: HHS and USDA held and expert and press calls
- 6/25: **ASPR, CDC, and FDA** posted their H5N1 Research Agendas
- 6/27: USDA **announced it will accept applications** beginning July 1 through ELAP for producers who incur milk losses due to HPAI. USDA briefed the Hill on the program.
- 6/27: USDA published **new fact sheet on Dairy Herd Status Program**.

Laboratory Testing

CDC

- Specimens from a symptomatic individual who reported animal contact on a family farm were received from Wisconsin; all samples tested **negative**
- Continue to engage with diagnostic companies to facilitate diagnostic test development and validation

NIH

- Investigators have completed preliminary transmission studies in non-lactating cattle inoculated with bovine H5 strain via the oronasal route. Challenge animals shed viral RNA for up to 8 days and several seroconverted. No shedding or seroconversion detected in sentinel animals, suggesting no cattle-cattle transmission.
- Additional cattle studies are ongoing or planned

Resources:

CDC - Ongoing updates to relevant CDC web pages: [Current Situation](#) | [Current H5N1 Bird Flu Situation in Mammals](#) | [Monitoring influenza data to better understand the current HPAI A\(H5N1\) situation in people](#)

- New or Updated Content:
 - 25 June 2024 [Considerations and Information for Fair Exhibitors to Help Prevent Influenza](#) | [Seasonal Influenza \(Flu\)](#) | CDC | [Considerations and Information for Fair Organizers to Help Prevent Influenza](#) | [Seasonal Influenza \(Flu\)](#) | CDC
 - 21 June 2024: [CDC A\(H5N1\) Bird Flu Response Update June 21, 2024](#) | [Bird Flu](#) | CDC
 - 20 June 2024: [Highly Pathogenic Avian Influenza A\(H5N1\) Virus in Animals: Interim Recommendations for Prevention, Monitoring, and Public Health Investigations](#) | [Bird Flu](#) | CDC

FDA - [FDA HPAI Influenza Updates](#) | **USDA** - [Avian Influenza](#) | [Animal and Plant Health Inspection Service](#) | **ASPR** - [Requesting SNS Assets/PPE](#)

HHS

National Weekly Influenza Surveillance (activity through June 15, 2024)

- Seasonal influenza activity remains low nationally and is consistent with expected levels this time of year.
- Based on reports from **147 clinical laboratories (29,139 specimens tested)** this week, nationally, percent positivity for influenza remains stable at low levels.
- Influenza activity indicators show declining or stable activity in most of the HHS regions with HPAI confirmed dairy herds (regions 4, 5, 6, 7, 8, 10) **with the exception of a slight increase in the percent of specimens testing positive for influenza in region 8.**
- Public health laboratories reported influenza test results for **828 specimens collected from June 9 – June 15. One hundred and one influenza viruses were identified; 71 (70.3%) were influenza A viruses and 30 (29.7%) were influenza B viruses. Of the 51 influenza A viruses subtyped during this week, 16 (31.4%) were A(H1N1)pdm09 and 35 (68.6%) were A(H3N2).**
- The 24 healthcare systems comprising RESP-LENS reported **70,674** emergency department visits of which **7,375** were for acute respiratory illness (ARI); **3,147** were tested for influenza and **38 (1.2%)** were positive. **This is a decrease compared to the prior week.**
- Nationally, outpatient respiratory illness remained stable and is below baseline for the eleventh week in a row.

National Influenza A Virus Wastewater Data (data through June 15, 2024)

- Current wastewater monitoring methods detect influenza A viruses but do not determine the subtype. This means that avian influenza A(H5N1) viruses can be detected but would not be distinguished from other influenza A virus subtypes.
- Wastewater testing cannot determine the source of the influenza A virus. It could come from a human, from an animal (like a bird), or an animal product (like milk from an infected cow).
- From June 2-June 15, a total of **328 sites reported data meeting criteria for analysis for influenza A virus for both weeks or for either week, and 3 (<1%) sites from one state (Illinois) were at a high level (>80th percentile compared to levels recorded at that site between October 1, 2023 and March 2, 2024).** Updated data are available on Friday at [Monitoring for Influenza in Wastewater](#).

Medical Countermeasures

Antivirals & PPE

- APHIS has responded to requests from 6 states (CO, IA, ID, MI, MN, NM).
- SNS provided PPE to 10 states to date and continues to field RFIs and fill PPE requests.

Human Vaccines

- Submitted Pre-IND package for EA-IND to FDA.
- Continued clinical sample testing.
- Continued D&A efforts, including work on codeset implementation for potential H5 vaccine D&A.
 - CDC released CVX codes for potential H5 vaccines and asked AMA to expedite publication of CPT codes.
- Continued execution of vaccine labeling and fill/finish task orders.

Animal Vaccines

- NSTR

USDA

Economic Impacts

Key indicators (Poultry and Beef):

- Total US Table Egg Layers:** 305.9 million layers (June 1)
- Reduction in US Conventional Table Egg Layers:** down 2.5% from April 1
- Reduction in US Organic Table Egg Layers:** 10.6% (+0)
- Frozen Hen Turkey Prices:** \$1.03/lb, steady from last week
- Finished Steer and Heifer Prices:** Market not yet established, but trending higher; last week's close was \$188-\$198/cwt
- Wholesale Boxed Beef Prices:** \$2.87/cwt higher compared to last week's close

North America and Global HPAI H5N1

North America

- In last 30 days, HPAI has affected **4.82 million** domestic birds in the United States.

Global

- Confirmed in **59 (+1)** countries since September 2023
- 29 (+0) human detections since start of outbreaks in 2021; only 3 in U.S.
- European CDC [publishes technical report](#) on enhanced H5N1 surveillance
- German animal health agency reports no evidence of H5N1 infection in German dairy cows

