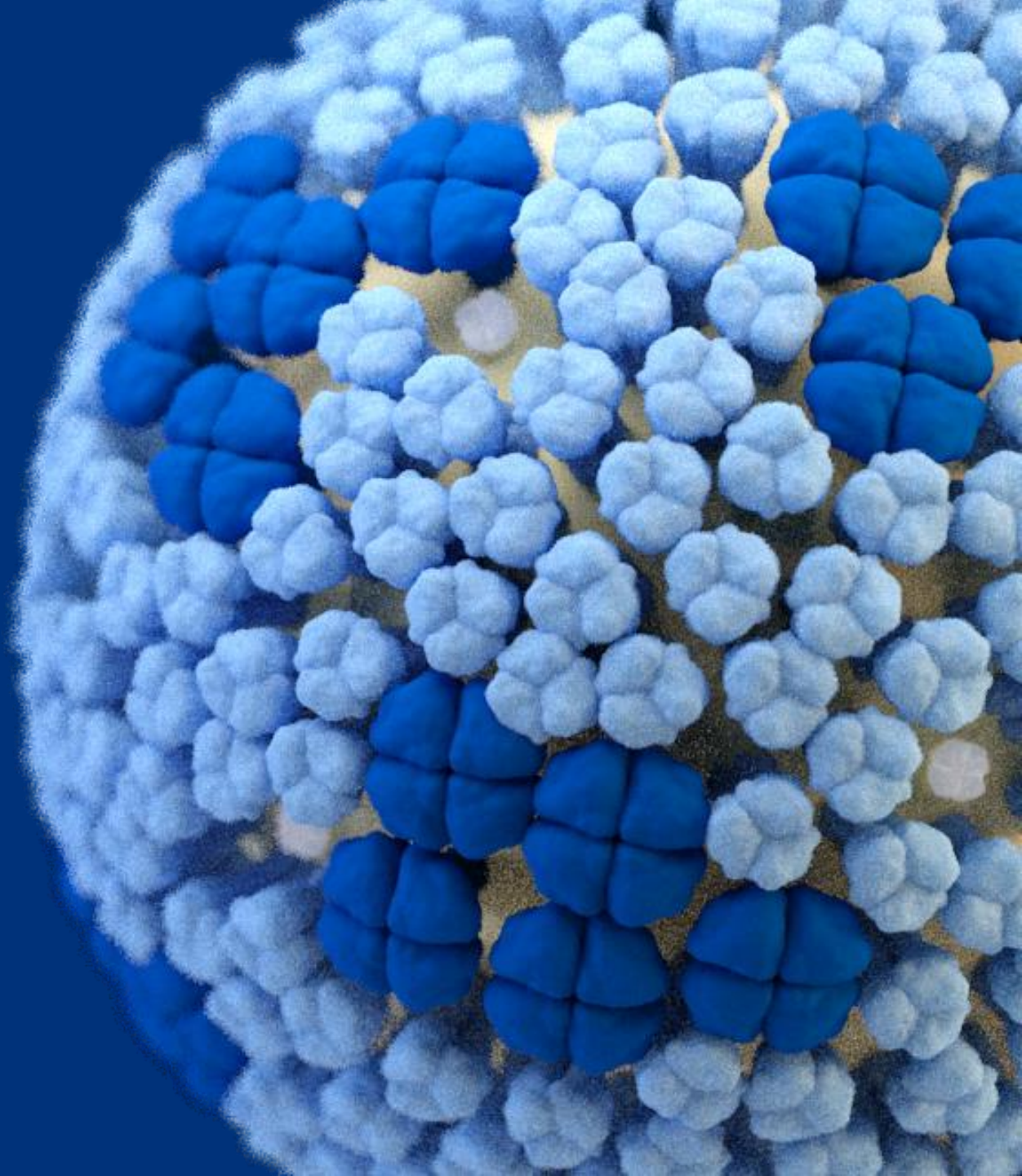
Highly Pathogenic Avian Influenza A(H5N1)

National Center for Immunization and Respiratory Diseases

May 22, 2024



CDC Influenza

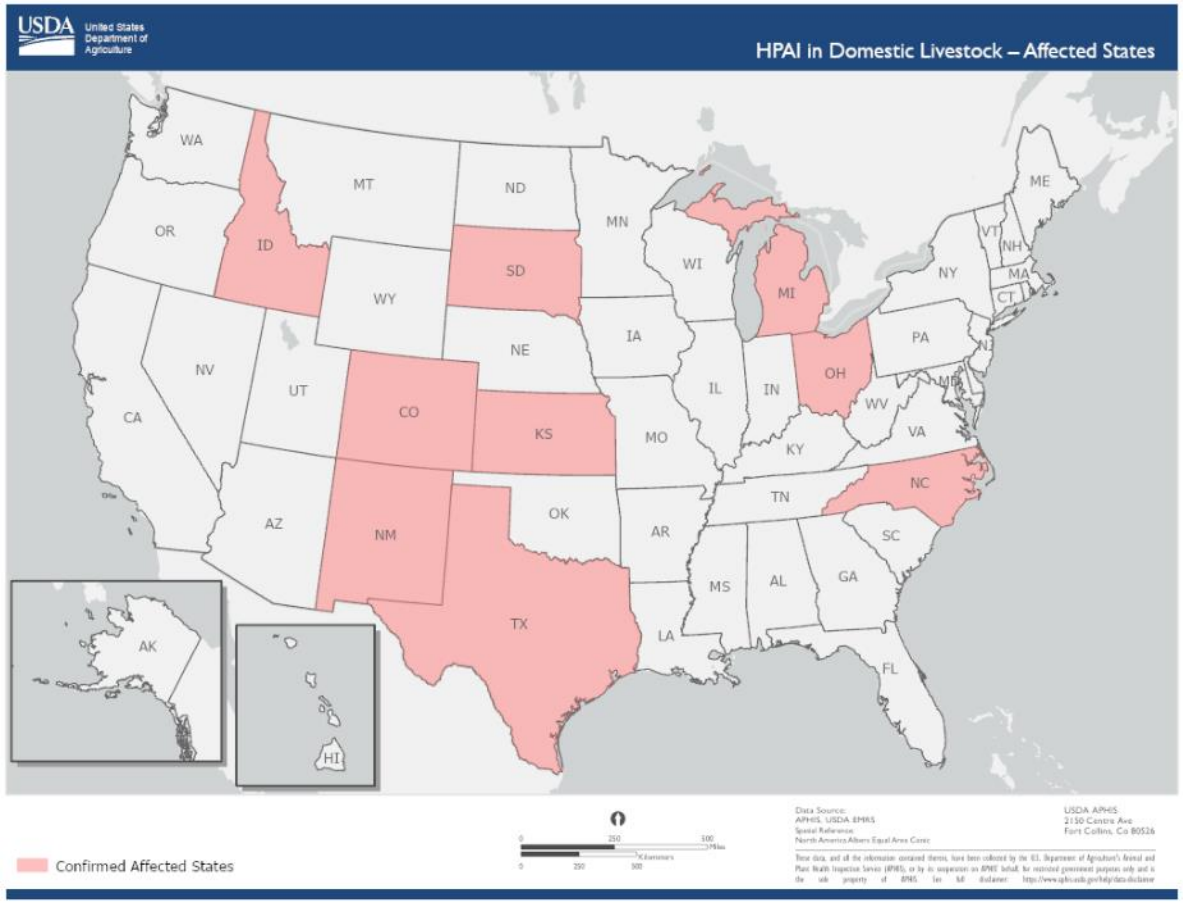
H5N1 Case in Texas

- April 1 – Texas announced first human infection of HPAI A(H5N1) virus
- Adult working at a commercial dairy farm
- Developed conjunctivitis on approximately March 27, 2024
  - —Not hospitalized
  - —Isolation recommended
  - —Provided antiviral treatment and recovered
- No illness reported in household contacts
  - —Provided with influenza antiviral medications
- No human-to-human transmission

Health Alert: First Case of Novel Influenza A (H5N1) in Texas, March 2024 | Texas DSHS

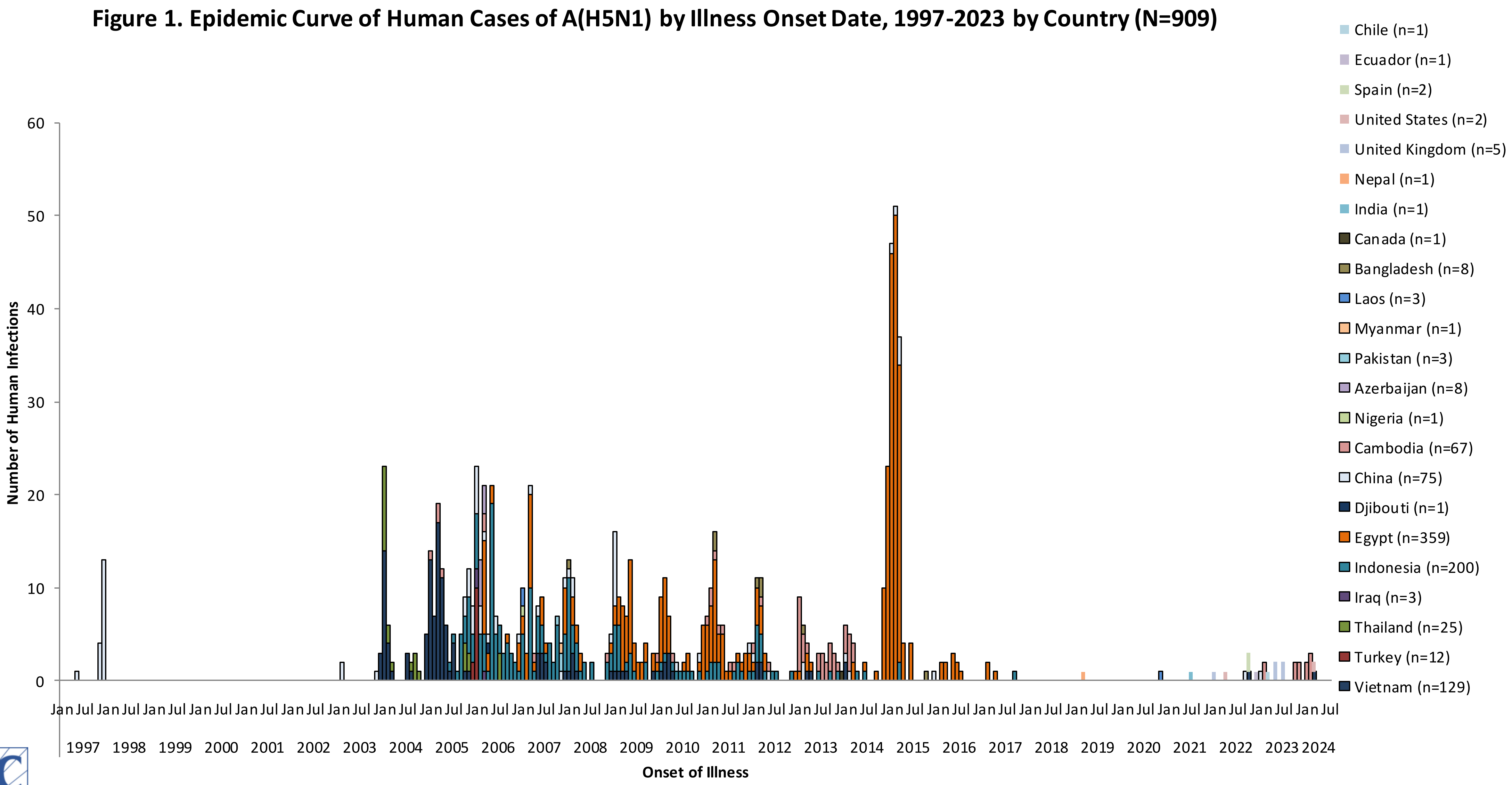
H5N1 Situation Update – Dairy Herds

- Dairy cow illness began in early 2024
  - —Significant decreases in milk production and quality
- **March 25**: USDA reported HPAI confirmed in cows from TX and KS
- To date, USDA confirmed HPAI in dairy herds >40 farms across 9 states
  - —CO, ID, KS, MI, NM, NC, OH, TX, SD



Highly Pathogenic Avian Influenza (HPAI) Detections in Livestock | Animal and Plant Health Inspection Service (usda.gov)

H5N1 Cases Since 1997



CDC Influenza

[Technical Report: Highly Pathogenic Avian Influenza A(H5N1) Viruses (cdc.gov)]

Public Health Risk

- Overall risk to the public remains low
- Increased risk with exposure to infected animals or environment – occupational, recreational
- Exposed individuals should monitor for symptoms after first exposure and for 10 days after last exposure

CDC Influenza

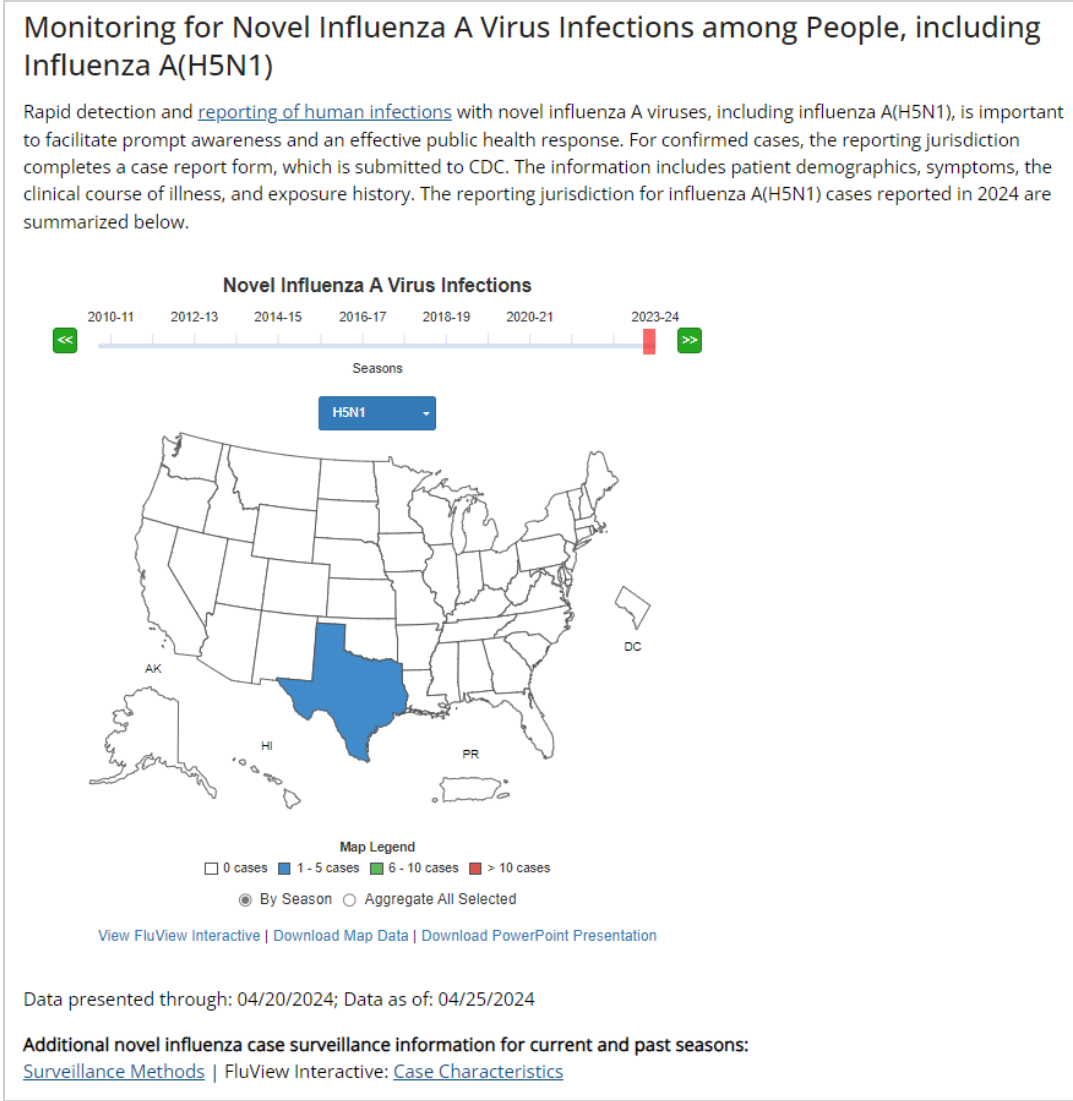
[Highly Pathogenic Avian Influenza A(H5N1) Virus in Animals: Interim Recommendations for Prevention, Monitoring, and Public Health Investigations | Avian Influenza (Flu) (cdc.gov)]

CDC's Priorities

- Supporting and engaging public health and agricultural partners
- Protecting human health and safety
- Understanding risk to people from H5N1 viruses
- Assessing H5N1 viruses for genetic changes

CDC Role

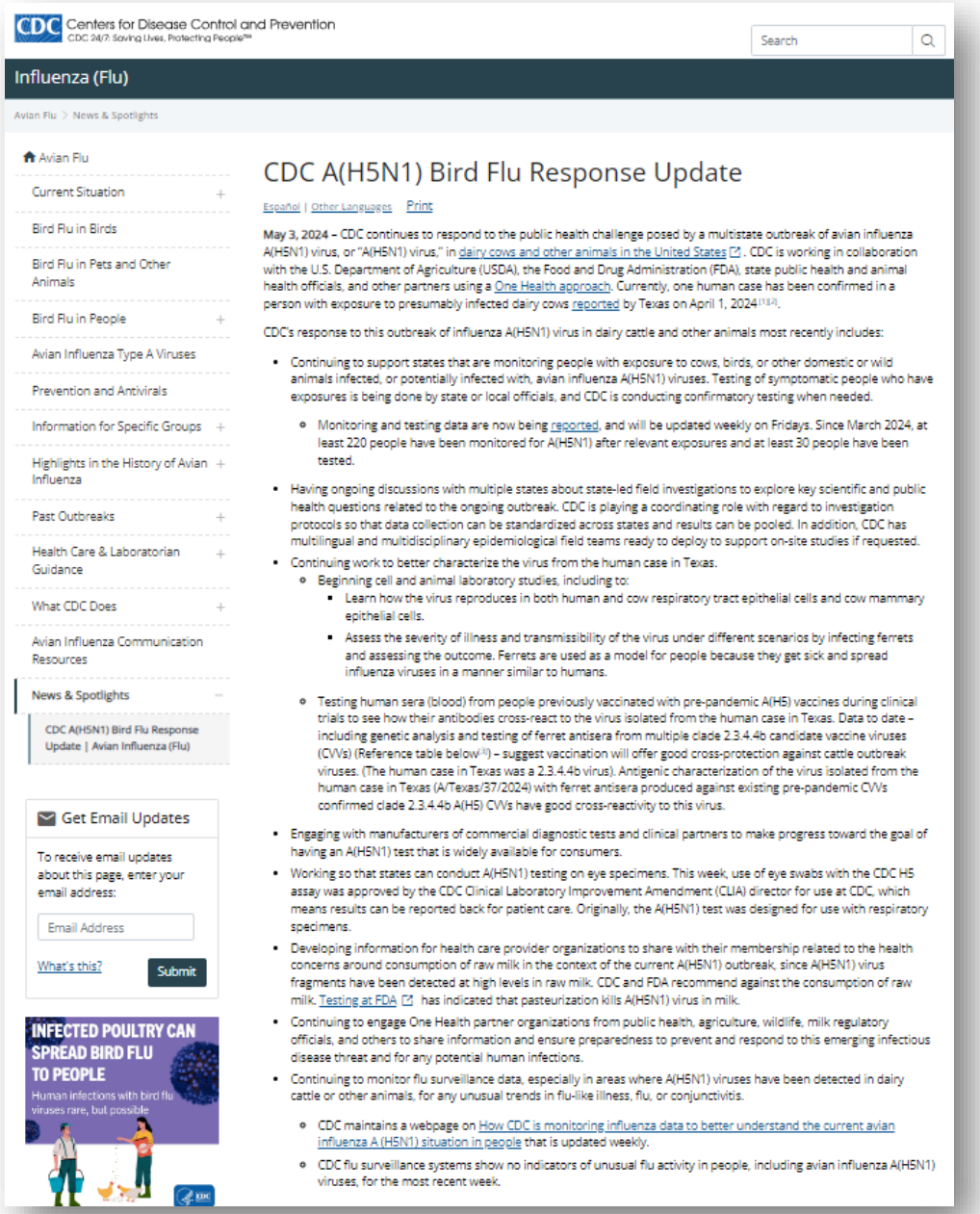
- Part of USG interagency response with USDA, FDA, ASPR, and more
- Supporting state monitoring of exposed persons and testing
- Epidemiological field studies
- Providing updated recommendations
- Monitoring influenza activity
- Extensive partner outreach
- Conducting in-depth, ongoing risk assessments and virus characterization



CDC Influenza

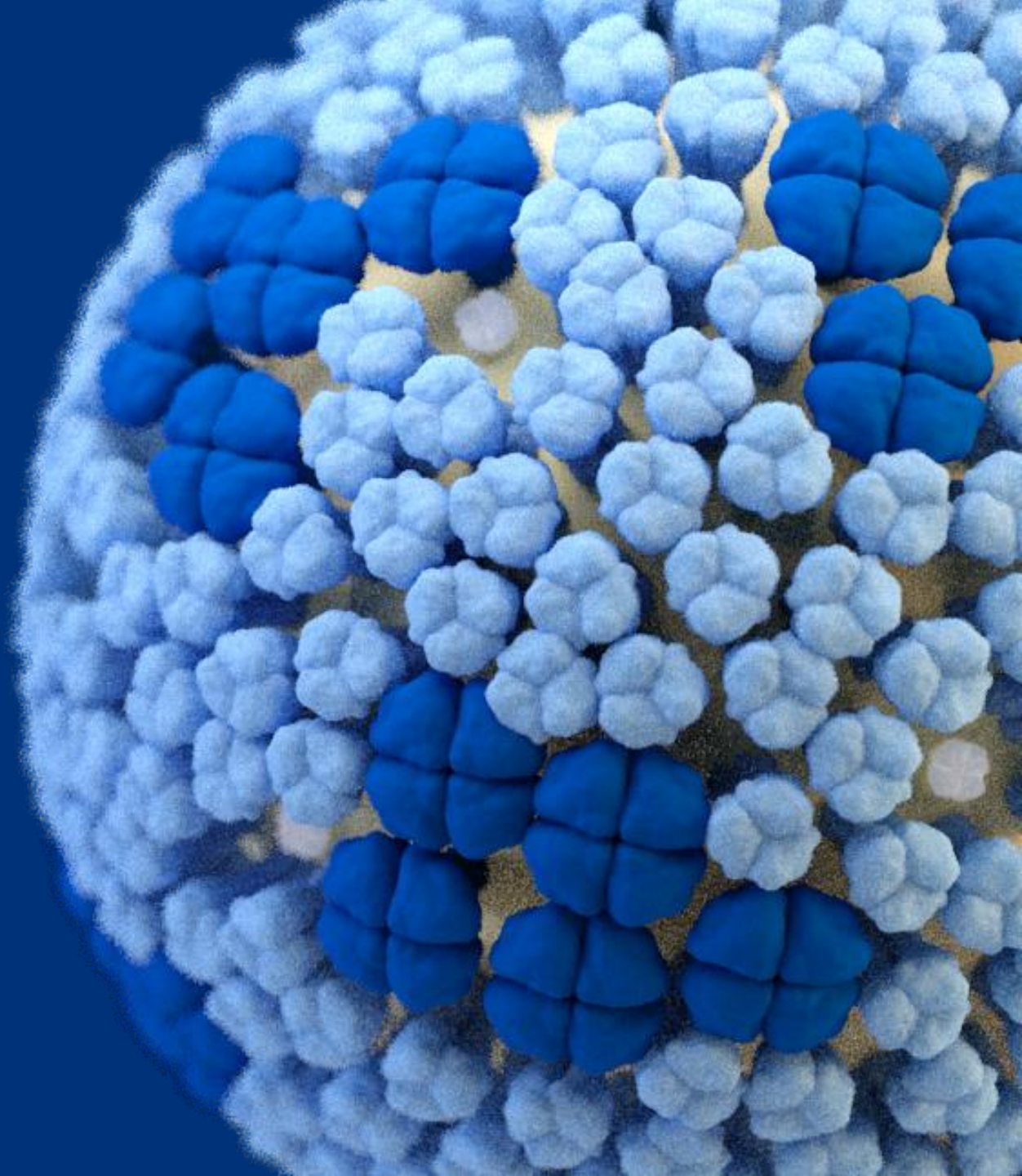
Resources from CDC

- **Situation Updates:**
  - CDC A(H5N1) Bird Flu Response Update | Avian Influenza (Flu)
- **Surveillance Updates**
  - How CDC is monitoring influenza data among people to better understand the current avian influenza A (H5N1) situation | Avian Influenza (Flu)
- **Technical Report**
  - Technical Report: Highly Pathogenic Avian Influenza A(H5N1) Viruses | Avian Influenza (Flu) (cdc.gov)
- **Updated Recommendations**
  - Highly Pathogenic Avian Influenza A(H5N1) Virus in Animals: Interim Recommendations for Prevention, Monitoring, and Public Health Investigations
  - Recommendations for Worker Protection and Use of Personal Protective Equipment (PPE) to Reduce Exposure to Novel Influenza A Viruses Associated with Severe Disease in Humans



CDC Influenza

Thank you



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