



United States Department of Agriculture

# Veterinary Services

## National Animal Health Monitoring System Update

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# Outline

- What's new in NAHMS
- Overview of 2013 accomplishments
- What is 2014 going to bring for NAHMS?



# New in NAHMS

# NAHMS News

- Confidential Information Protection and Statistical Efficiency Act (CIPSEA) unit status for NAHMS
- New Unit within NAHMS: Economic and Epidemiological Modeling

# NAHMS News

- Legislation enacted in 2002
- Information collection for ***statistical purposes***
- Pledge of confidentiality



# NAHMS News

- Complex rules and reporting requirements
- Cannot put anyone in a position where they would reveal participation or data
- Potential fines or imprisonment if violate confidentiality



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## Animal Health Statistical Surveys and Confidentiality National Animal Health Monitoring System

For more than 20 years, the Animal and Plant Health Inspection Services' (APHIS) National Animal Health Monitoring System (NAHMS) has served as the primary source for national-level statistical data on animal health and management. As a unit within APHIS' Veterinary Services (VS) program, NAHMS conducts national commodity studies, develops study designs for epidemiologic investigations, and examines issues of interest through analysis of statistical data. NAHMS studies generate statistically valid data used to analyze the health of various animal species and commodity groups in the United States. These data and corresponding analyses are used by APHIS and VS to develop regulatory policy, to promote trade, and to inform industry and the general public.

When conducting a study, NAHMS often asks producers to voluntarily provide sensitive information about their management practices, animal health, and other operational issues related to on-farm production. These producers are understandably concerned about the confidentiality of the data collected since responses linked to an individual operation could have unintended consequences. Assuring producers that any information shared when participating in a NAHMS study will remain absolutely confidential is vital to encouraging voluntary participation and maintaining high response rates.

To better protect respondents' information, NAHMS applied for, and in March 2012 received, recognition as a statistical unit under the [Confidential Information Protection and Statistical Efficiency Act \(CIPSEA\)](#). Enacted in 2002, CIPSEA provides a mechanism for Federal agencies to collect statistical information by (1) using a pledge of confidentiality, (2) designating agents to collect confidential data, and (3) preventing information from being disclosed in any manner that would allow a respondent to be individually identified. This process provides participants in NAHMS CIPSEA studies with strong confidentiality protection.

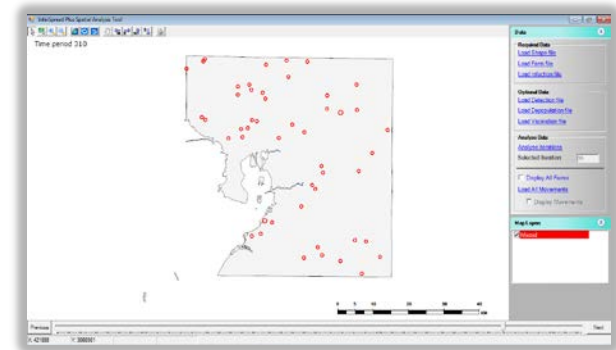
The CIPSEA statute is a (b) (3) statute under FOIA; confidential information covered under CIPSEA is exempt from release pursuant to a FOIA request. All information collected under CIPSEA is protected from distribution in a manner that could identify an individual respondent;

# CIPSEA Activities So Far

- April 2012: recognized as a statistical unit
- Developing processes and infrastructure
- Data collected under CIPSEA in 2013
  - Poultry Layer Study
  - PEDv study with AASV and Univ of Minnesota
  - Dairy Herd Improvement Association Data

# Economic and Epidemiologic Modeling

- Unit formed in 2011
- Supports VS' increasing focus on modeling efforts
- Strategic goals of the Unit:
  - Support **disease outbreak preparedness**
  - **Application** of animal disease models
  - Evaluate, acquire, and **enhance animal disease modeling tool**
  - **Training and outreach** to domestic and international partners



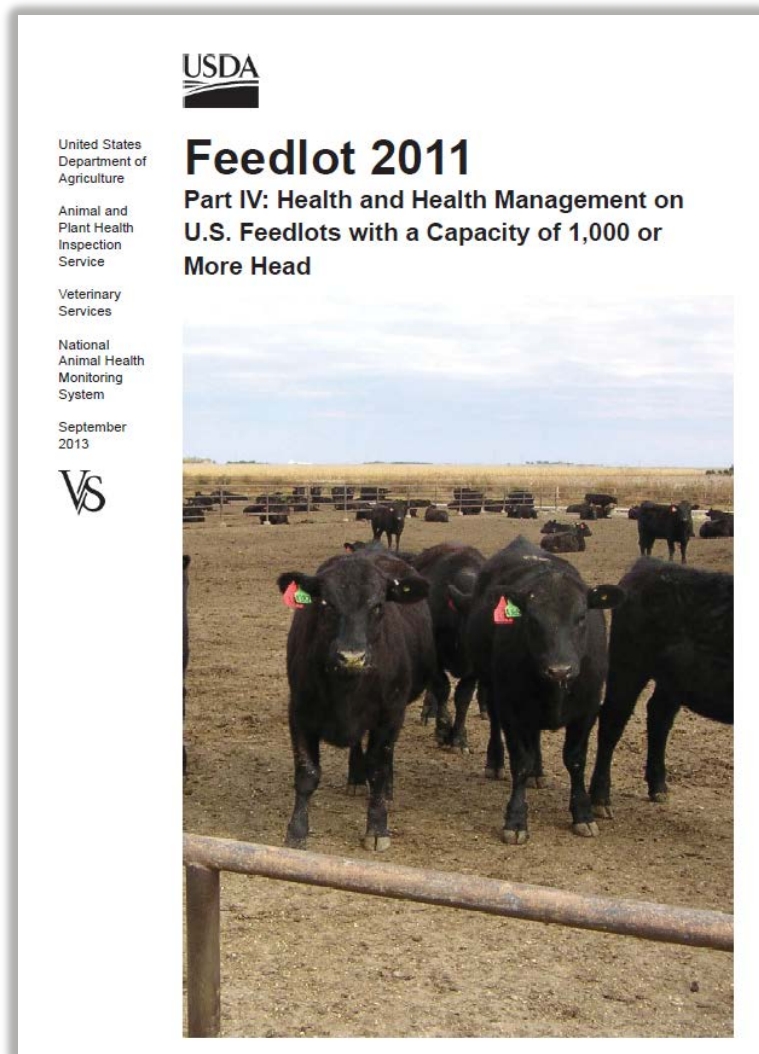




# Accomplishments

# National Studies

- Reports: Sheep and Cattle Feedlot
- Data collection: Swine and Layers 2012
- Development of 2014 studies
  - Dairy
  - Captive Cervids
  - Captive Bison



# Targeted Studies

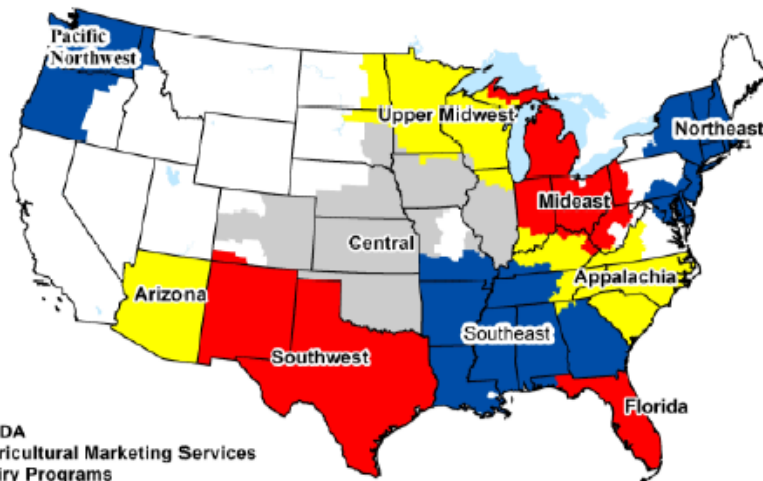
- Completed:
  - Dairy Heifer Raiser
  - Urban Chicken Ownership in Four U.S. Cities
  - Poultry Botulism
  - PEDv with AASV
- Development:
  - Additional PEDv
  - Equine Herpes Myeloencephalopathy
  - Antimicrobial Use and Resistance

# Ongoing Monitoring

- Somatic Cell Count – indicator of udder health and milk quality
- Dairy Herd Improvement Association Data

Figure 1.

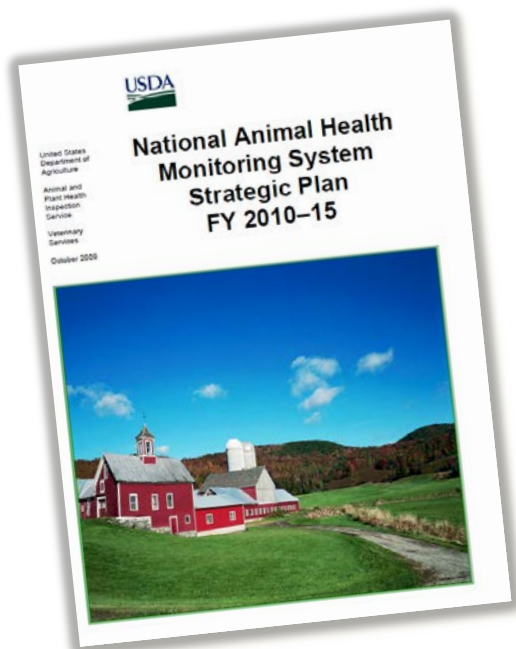
## Federal Milk Marketing Order Areas



USDA  
Agricultural Marketing Services  
Dairy Programs

# Epidemiologic and Economic Modeling

- Foot-and Mouth Disease
- Pilot Study: Evaluating Interspread Plus®
- Economic considerations for the mutual recognition of disease free zones
- Economic impact of potential HPAI outbreaks



# 2014 Plans

# 2014 Plans

- Reporting on Swine 2012 and Layer 2013
- Implement Dairy, Cervid and Bison Studies
- Begin preliminary work for Equine 2015
- Antimicrobial Use and Resistance Efforts
- Epidemiologic studies (EHM, PEDv)
- Further develop ongoing monitoring efforts



# 2014 Plans

- Foot-and-Mouth Disease
  - Vaccination Prioritization and Diagnostic Tools
  - Application of resource constraints
  - Develop Interspread Plus® Standard Model
- Continue to evaluate epidemiological and economic considerations for mutual recognition of disease-free zones
- Participate in Quads comparisons
- Analyze HPAI economics: imperfect competition





# Questions?

