

Veterinary Services



National Animal Health Monitoring System Equine 2015

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Veterinary Services



Previous NAHMS Equine Studies: 1998 & 2005

Animal Health
Program Overview
District Offices (previously Area Offices)
Contact Us
Animal Disease Information
Emergency Management
Export from the U.S.
Import into the U.S.
Laboratory Information Services
Monitoring and Surveillance
NAHMS
One Health
Traceability
Training and Development
Veterinary Accreditation

NAHMS Equine Studies

Last Modified: Apr 10, 2014



- [NAHMS Equine 2015](#)
- [Other NAHMS Equine Information](#)
- [NAHMS Equine 2005](#)
- [NAHMS Equine '98](#)
- [NAHMS General Equine Health Studies and Information](#)

NAHMS Equine 2015

[Equine 2015: Needs Assessment Survey Results for the Upcoming NAHMS Equine 2015 Study \(pdf 687kb 4/14\)](#)

Other Equine Studies

[Descriptive Epidemiologic Characteristics of Cases from the 2011 Multistate EHV-1 Outbreak and Summary of Epidemiologic Investigation \(pdf 493kb 2/13\)](#)

[State and Federal Resources Allocated to Response to the Ogden, Utah EHV-1 Disease Outbreak \(pdf 71kb 6/12\)](#)

United States
Department of
Agriculture

Animal and
Plant Health
Inspection
Service

Veterinary
Services

National
Animal Health
Monitoring
System

April 2014

Equine 2015

Needs Assessment Survey Results for the Upcoming NAHMS Equine 2015 Study



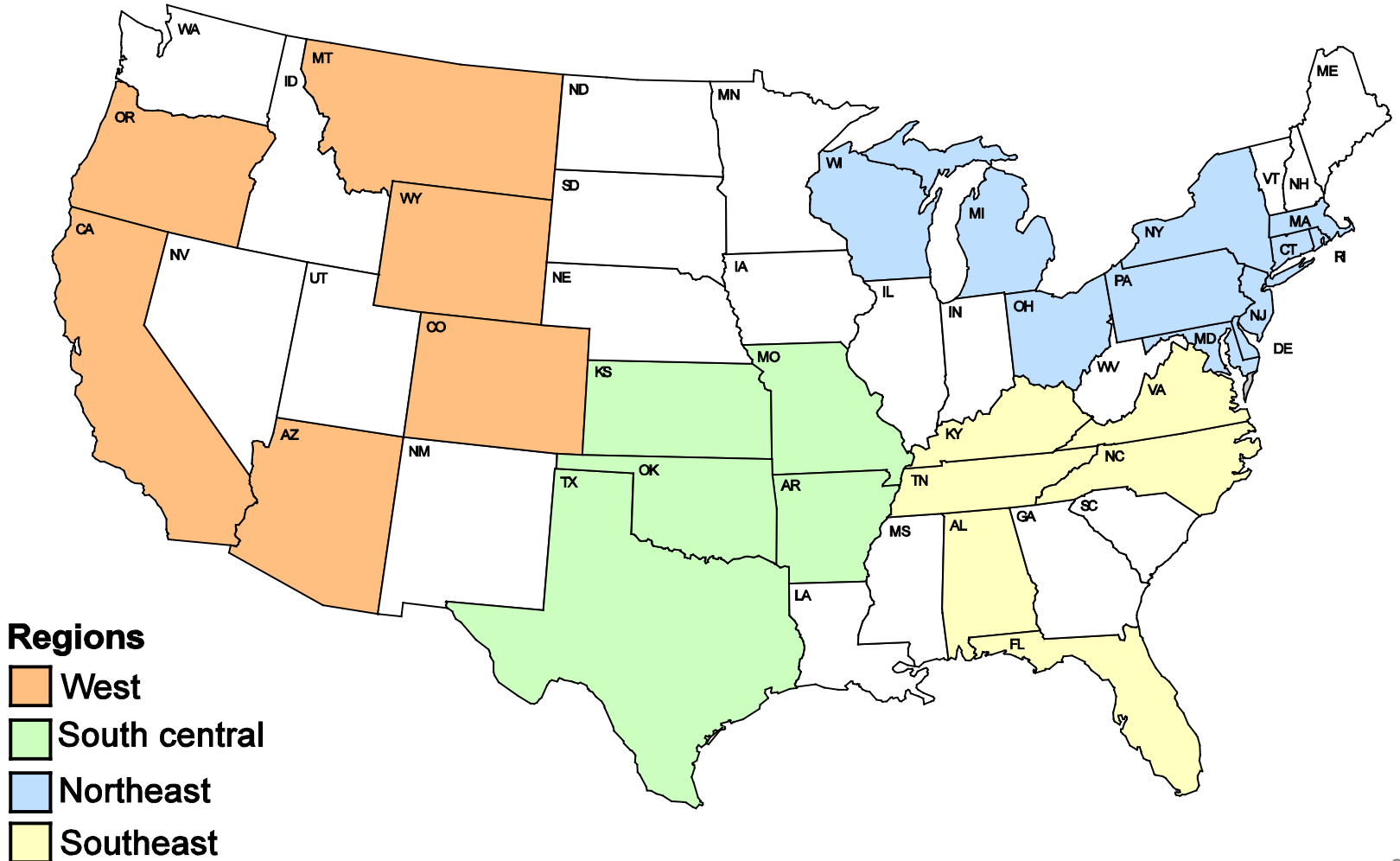
NAHMS Equine 2015 Objectives

- Describe **trends** in equine care and health management for study years 1998, 2005, and 2015
- Estimate the occurrence of owner-reported **lameness** and describe practices associated with the management of lameness
- Describe health and management practices associated with **important equine infectious diseases**
- Describe animal **health related costs** of equine ownership
- Evaluate control practices for **gastrointestinal parasites**
- Evaluate horses for presence of **ticks** and describe tick-control practices used on equine operations
- Collect equine sera along with equine demographic information in order to create a **serum bank for future studies**

Selected 28 States for NAHMS Equine 2015 Study

- Represent 71.5% of U.S. equids based on 2012 Ag Census
- Represent 71.7% of U. S. equine operations based on 2012 Ag Census
- Selected based on number of equids or equine operations (n=21)
- Selected based on equine population or operation density (n=6)
- Geographic representation and available resources (n=1)

NAHMS Equine 2015 study regions




Time Table for NAHMS Equine 2015

- Federal Register Notice (FRN) announcing plan for study was open for public comment for 60 days. Closed September 5, 2014
- FRN, including details of NAHMS Equine 2015 study were posted October 7, 2014. Public comment period 30 days
 - Draft questionnaires, biologic sample forms, biosecurity assessment form, participant packet materials

Time Table for NAHMS Equine 2015


- NASS Visit July 2015
 - NASDA enumerators trained by NASS and VS will make initial contact with potential participants to set up a face-to-face interview and to complete the NASS questionnaire



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Equine 2015 General Equine Management Questionnaire



National Animal Health
Monitoring System

2150 Centre Ave Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number 0579-0269
Expires **xxxx**

INTRODUCTION

Beginning time [military] _____

1. What do you consider to be the **primary** function of this operation?


- 1 Equine boarding stable/training
- 2 Riding stable (give lessons, rent equids, etc.)
- 3 Race track
- 4 Equine breeding farm
- 5 Guest ranch
- 6 Farm or ranch
- 7 Residence with equids for personal use (show, pleasure, etc.)
- 8 Other (specify: _____)

NASS Questionnaire

- Questionnaire emphasis is questions related to general equine health and management practices.
- Equine health and management data from 1998, 2005, and 2015 will be summarized in a trends report.

Time Table for NAHMS Equine 2015


- Veterinary Medical Officer (VMO) visit
 - VMO interview with owners who agree to have names turned over after NASS visit
 - Second questionnaire
 - Collection of biologic samples
 - VMO phase to begin in September 2015



Animal and Plant Health Inspection Service
Veterinary Services

Equine 2015 VMO Questionnaire

September 22, 2014



National Animal Health Monitoring System
2150 Centre Ave Bldg B
Fort Collins, CO 80526
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INTRODUCTION

Beginning time _____

Section A—Inventory

The next several questions relate to equids that are considered "residents" of this operation. A resident equid is one that has spent, or is expected to spend, more time at this operation than at any other operation throughout the year. In other words, this operation may be considered the animal's "home base." Resident equids will be referred to throughout this questionnaire.

1. How many of the following equids, including foals, are considered residents of this operation as of today (whether or not they are present on the operation today)?

a. Donkeys or burros	_____
b. Mules	_____
c. Ponies	_____
d. Miniature horses	_____

VMO Questionnaire

- 6 sections
 - Inventory
 - Vaccine practices
 - Parasite problems and parasite control practices
 - Tick diseases and tick control practices
 - Lameness occurrence and management practices
 - Economics of equine health care

VMO Visit

- Inspection of equids for presence of ticks by VMO
 - Scratch examination performed, training video of procedure
 - Collect a representative sample of ticks, if present
 - Ship to NVSL for identification
- Biosecurity assessment
 - Conducted by VMO based on visualization of equine management practices during on-site visit
- Blood collection
 - Create serum bank for future research studies
- Fecal collection
 - Culture for *Salmonella* sp. and non-type specific *E. coli* and subsequent antimicrobial susceptibility testing

Anthelmintic Resistance of Strongyles

- Proposed study plan similar to that employed in cow-calf study
- Sample kits will be provided by VMO during visit, and sampling protocol will be explained to participant by VMO
 - Participant will collect and submit pre- and post-deworming fecal samples
- NAHMS can provide kits and shipping
 - Still exploring options for funding to pay for fecal testing

Status of NAHMS Equine 2015

- Needs assessment-completed
- Study objectives developed-completed
- Proposed States to be part of study completed
- Presentation about needs assessment and objectives of NAHMS Equine 2015 study at AHC-HRC and Coalition of State Horse Councils-June 2014
- Presentation to Equine Committee of American Feed Industry Association-Sept 2014

Planned Activities NAHMS Equine 2015

- Form a working group with a designee from each of the six VS districts and equine core team from NAHMS
- Field pretest of data-collection instruments planned in each of the six VS districts
- Refine plan for several aspects of biologic phase of study by late 2014
 - Parasite resistance— exploring funding options for fecal testing
 - Serology for future research; exploring option for funding of EHV-1 multiplex antibody testing and SN titer determination

Planned Activities NAHMS Equine 2015

- Finalize questionnaires
 - Early 2015
- Develop and distribute stakeholder announcement to make industry and potential participants aware of upcoming study
 - Early 2015
- Conduct enumerator and VMO training late spring/summer 2015

Questions?

