



NAHMS Equine 2026 Study - Training for Enumerators



Diana Short, DVM, DACVIM (LAIM), PhD
NAHMS VMO, Epidemiology

Diana.short@usda.gov

Lauren Wisnieski, MS, PhD
NAHMS Biological Scientist, Epidemiology

Andrea Beam, DVM, MS
NAHMS Director

Andrea.L.Beam@usda.gov

09/21/2026



Interview Resources

Important Instructions

Definitions of Terms

Questions of Note

Examples

Time for Questions



United States
Department of
Agriculture

National
Agricultural
Statistics Service
(NASS)

August 2026



National Animal Health Monitoring System (NAHMS)

NAHMS Equine 2026
Study, General Equine
Health and
Management
Questionnaire
(GEHMQ),

Interviewer's Manual



NAHMS Equine 2026 Study Materials



**Complete Interviewer's
Manual**



**Abbreviated Interviewer's
Manual**



**General Equine Health
and Management
Questionnaire**



**Product Reference
Guides – Vaccination and
Deworming Products**



**Study Flyer & Launch
Sheet**

NAHMS Equine Website: <https://www.aphis.usda.gov/livestock-poultry-disease/nahms/equine>

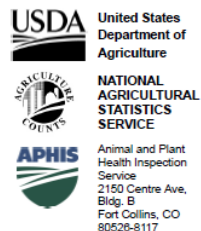
NAHMS Main Website: <http://www.aphis.usda.gov/nahms>





2026 GENERAL EQUINE HEALTH AND MANAGEMENT QUESTIONNAIRE

OMB No. 0579-0289
Approval Expires: 5/31/2029
Project Code: 653
Survey ID: 9146



Please make corrections to name, address, and ZIP Code, if necessary.

The information you provide will be used for statistical purposes only. Your response will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation without your consent is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws. For more information on how we protect your information please visit: <https://www.nass.usda.gov/confidentiality>. Response is voluntary.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB number is 0579-0289. The time required to complete this information collection is estimated to average 65 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden statement or any other aspect of this information collection, including suggestions for reducing burden, to APHIS.PRA@usda.gov.

Instructions: We would like to ask you some questions about your equine operation to understand important health and management issues in the equine industry. Some questions ask about health and management of equines from August 1, 2025, through July 31, 2026. Please consult your records as needed. Response is voluntary and not required by law. However, your support is needed to make regional and national estimates as accurate as possible.

1. Which of the following functions apply to this operation? (Check all that apply.)

- | | |
|---|---|
| 003 ☐ Equine boarding stable/training | 007 ☐ Guest ranch |
| 004 ☐ Riding stable (give lessons, rent equines, etc.) | 008 ☐ Farm or ranch |
| 005 ☐ Rescue/rehabilitation facility | 009 ☐ Residence with equines for personal use (show, pleasure, recreation, etc.) |
| 006 ☐ Equine breeding farm | 010 ☐ Other (specify: ¹⁰¹⁰ _____) |

2. Of the functions checked in Item 1, which do you consider to be this operation's **primary** function? (Check one)

- | | |
|---|---|
| 011 1 ☐ Equine boarding stable/training | 5 ☐ Guest ranch |
| 2 ☐ Riding stable (give lessons, rent equines, etc.) | 6 ☐ Farm or ranch |
| 3 ☐ Rescue/rehabilitation facility | 7 ☐ Residence with equines for personal use (show, pleasure, recreation, etc.) |
| 4 ☐ Equine breeding farm | 8 ☐ Other (specify: ¹⁰¹¹ _____) |

Instructions: We would like to ask you some questions about your equine operation to understand important health and management issues in the equine industry.

Some questions ask about health and management of **equines** from *August 1, 2025, through July 31, 2026*. Please consult your *records* as needed.

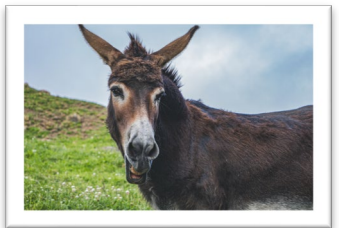
Response is voluntary and not required by law. However, *your support is needed to make regional and national estimates as accurate as possible.*

Questionnaire: Important terms

Equines or Equids: The GEHMQ primarily uses the term equines and indicates that the term refers to horses, miniature horses, ponies, donkeys, burros, and mules.

For the purposes of this study, equines and equids can be used interchangeably. Both terms can refer to a wild or domestic animal that belongs to the family *Equidae*.

NAHMS recommends getting familiar with first two pages of 'terms' in the interviewer's manual.



Questionnaire: Screener question

3. Did this operation have any resident equines on August 1, 2026?

012 ₁ ☐ Yes - Go to Section A

₃ ☐ No - Go to Section H

This question should be asked of **ALL** respondents.

Even though operations with 5 or more equines are the target population, respondents are eligible to complete the survey if they have **1 or more resident equines.**



Questionnaire: Important terms

Resident equines refer to those that have spent or are expected to spend, **more time at this operation than at any other operation.**

In other words, this operation may be considered the animals' "home base".



Questionnaire: Screener question

3. Did this operation have any resident equines on August 1, 2026?

012 1 ☐ Yes - Go to Section A

3 ☐ No - Go to Section H

Respondent states: “We have donkeys, but we don’t own them” or “We have horses but they are not on the property today”.

Response: the respondent **does not need to own the equines**, and **the equines don’t need to be physically on the operation as of August 1, 2026 ,or when you are conducting the interview**. They only need to have one or more that are considered “resident equines”.

A resident equine is one that has spent or is expected to spend,
more time at this operation than at any other operation.

Question: Which are resident equines?

Scenario: An equine operation has several horses with different housing arrangements throughout the year.

- Horse A is boarded at this operation year-round, except for two weekends away at competitions.
- Horse B belongs to a neighbor but stays at this operation for five months of the year and spends the remaining seven months at the neighbor's farm.
- Horse C is owned by the operation but is sent to a training facility for nine months and returns here for three months.
- Horse D is owned by an out-of-state friend but lives at this operation for ten months each year.



Question: Based on the study definition, which horses qualify as resident equines?

Questionnaire: Time frame references

- Many questions refer to **12-month period:**
August 1, 2025 – July 31, 2026.
- A few questions refer to a **single timepoint:**
August 1, 2026 (e.g., Section A – Inventory).
- Some questions, especially those about general practices or future plans, **do not reference a time frame.**
- One question refers to a **longer time frame:**
five-year period (e.g., Section C – Item 17).



Questionnaire: Section A - Item 1

1. What did you consider to be the **primary** use of the resident equines on this operation regardless of ownership, on August 1, 2026? (*Check one*)

- 101
- | | | | |
|----------------------------|-----------------------------------|----------------------------|---|
| 1 ☐ | Pleasure/recreation | 5 ☐ | Racing |
| 2 ☐ | Lessons/school | 6 ☐ | Farm or ranch work |
| 3 ☐ | Showing/competition (non-betting) | 7 ☐ | Retired, not in use |
| 4 ☐ | Breeding | 8 ☐ | Other (specify: ¹¹⁰¹ _____) |

Other (specify:___) is a common response option throughout the questionnaire.

It is important to ALWAYS get a response to the “SPECIFY” when “Other” is selected.



Questionnaire: Section A Item 2

Equine Inventory – Taking Stock



2. As of August 1, 2026, how many of the following types of equines, including foals, were considered resident equines of this operation, whether present or not on the operation that day:

- a. Donkeys or burros?.....
- b. Mules?.....
- c. Ponies?.....
- d. Miniature horses?.....
- e. Horses, excluding miniature horses?.....
- f. Other resident equines? (specify:¹¹⁰⁷ _____)
- g. Total (add Items 2a–2f).....

None

Head

☐

102

☐

103

☐

104

☐

105

☐

106

☐

107

☐

108



Health Sections

B. Health Care: Resources Used, Veterinary & Other Services

C. Health Management: Tests, Vaccinations, & Deworming

D. Health Events: Frequency, Antibiotic Treatment, & Deaths

Questionnaire: Section B Item 5

5. From August 1, 2025, through July 31, 2026, did resident equines receive any of the following types of consultations from veterinarians? For each type of consultation used, indicate the total number of times it was used during this time frame:	<table border="1"> <thead> <tr> <th colspan="3">Receive consultation? [If Yes, answer next column]</th> <th>Number of Times</th> </tr> </thead> <tbody> <tr> <td>1238</td> <td>1 ☐ Yes</td> <td>3 ☐ No</td> <td>238</td> </tr> <tr> <td>1239</td> <td>1 ☐ Yes</td> <td>3 ☐ No</td> <td>239</td> </tr> <tr> <td>1240</td> <td>1 ☐ Yes</td> <td>3 ☐ No</td> <td>240</td> </tr> <tr> <td>241</td> <td>1 ☐ Yes</td> <td>3 ☐ No</td> <td>2241</td> </tr> </tbody> </table>	Receive consultation? [If Yes, answer next column]			Number of Times	1238	1 ☐ Yes	3 ☐ No	238	1239	1 ☐ Yes	3 ☐ No	239	1240	1 ☐ Yes	3 ☐ No	240	241	1 ☐ Yes	3 ☐ No	2241
Receive consultation? [If Yes, answer next column]			Number of Times																		
1238	1 ☐ Yes	3 ☐ No	238																		
1239	1 ☐ Yes	3 ☐ No	239																		
1240	1 ☐ Yes	3 ☐ No	240																		
241	1 ☐ Yes	3 ☐ No	2241																		
a. On-site visit by veterinarian?.....																					
b. Took equines to veterinary hospital?.....																					
c. By phone, text, email, or video conference (e.g., telemedicine, not in person)?.....																					
d. Other? (specify: ¹²⁴¹).....																					

NOTE: “Number of Times” will usually be obvious, but some cases may be more nuanced, especially for phone, text, and email consultations.

- **If a veterinarian provided advice or a service, that would generally count as a consultation.**
- Simply recommending an equid be evaluated by a veterinarian would generally not count.
- Consultations may include **multiple follow-up** visits for the same issue.
- A consultation conducted on-site are referred to as farm call, field service call, or ambulatory call.

Questionnaire : Section B Item 5

5. From August 1, 2025, through July 31, 2026, did resident equines receive any of the following types of consultations from veterinarians? For each type of consultation used, indicate the total number of times it was used during this time frame:	<table border="1"> <thead> <tr> <th colspan="4">Receive consultation? [If Yes, answer next column]</th> <th>Number of Times</th> </tr> </thead> <tbody> <tr> <td>1238</td> <td>1</td> <td>☒ Yes</td> <td>3 ☐ No</td> <td>238 3</td> </tr> <tr> <td>1239</td> <td>1</td> <td>☒ Yes</td> <td>3 ☐ No</td> <td>239 2</td> </tr> <tr> <td>1240</td> <td>1</td> <td>☒ Yes</td> <td>3 ☐ No</td> <td>240 1</td> </tr> <tr> <td>241</td> <td>1</td> <td>☐ Yes</td> <td>3 ☒ No</td> <td>2241</td> </tr> </tbody> </table>	Receive consultation? [If Yes, answer next column]				Number of Times	1238	1	☒ Yes	3 ☐ No	238 3	1239	1	☒ Yes	3 ☐ No	239 2	1240	1	☒ Yes	3 ☐ No	240 1	241	1	☐ Yes	3 ☒ No	2241
Receive consultation? [If Yes, answer next column]				Number of Times																						
1238	1	☒ Yes	3 ☐ No	238 3																						
1239	1	☒ Yes	3 ☐ No	239 2																						
1240	1	☒ Yes	3 ☐ No	240 1																						
241	1	☐ Yes	3 ☒ No	2241																						
a. On-site visit by veterinarian?.....																										
b. Took equines to veterinary hospital?.....																										
c. By phone, text, email, or video conference (e.g., telemedicine, not in person)?.....																										
d. Other? (specify: ¹²⁴¹).....																										

Scenario: They had a vet come twice last year for routine care. They also did a video visit with their vet when a horse got its leg stuck in a fence. After a few days, it didn't improve, so the vet came to the operation for a follow-up. Another time, a horse colicked, so the operation called and spoke to the vet who said to bring him into the clinic for monitoring and possible surgery. And most recently, 3 horses were brought to the vet clinic for respiratory symptoms.



Questionnaire: Section C Item 4

New World Screwworm (*Cochliomyia hominivorax*)

4. How familiar are you with New World Screwworm? (*Check one*)

- 304
- 1 ☐ Have not heard of it before
 - 2 ☐ Recognized the name, not much else
 - 3 ☐ Know some basics
 - 4 ☐ Knowledgeable on New World Screwworm



For more information on NWS, please see the USDA APHIS website

<https://www.aphis.usda.gov/livestock-poultry-disease/cattle/ticks/screwworm>

Questionnaire: Section C Item 8 Vaccinations

8. From August 1, 2025, through July 31, 2026, were any resident equines vaccinated against the following diseases?
 (Please refer to the Product Reference Card for vaccine information.)
- | | | | | | | | |
|---|-----|---|------------------------------|---|-----------------------------|---|-------------------------------------|
| a. Flu (influenza)?..... | 308 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| b. Strangles (<i>Strep equi</i>)?..... | 309 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| c. Rhino (Equine Herpesvirus (EHV-1))?..... | 310 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| d. Rabies?..... | 311 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| e. West Nile Virus (WNV)?..... | 312 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| f. Eastern and Western Equine Encephalitis (EEE & WEE or sleeping sickness)?..... | 313 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| g. Tetanus?..... | 314 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| h. Equine Viral Arteritis (EVA)?..... | 315 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| i. Venezuelan Equine Encephalitis (VEE)?..... | 316 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| j. Potomac Horse Fever (PHF)?..... | 317 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |
| k. Other? (specify: ¹³¹⁸) | 318 | 1 | ☐ Yes | 3 | ☐ No | 2 | ☐ Don't Know |



It is important to Refer to the Product Reference: Vaccine and Dewormer Guide.

<https://www.aphis.usda.gov/sites/default/files/nahms-equine-product-reference-card.pdf>

PRODUCT REFERENCE: VACCINATION PRODUCT GUIDE

Trade Name	Vaccinates Against (Vaccine Agent)
Anthrax Spore Vaccine, Live Culture	Bacillus anthracis (Anthrax)
Arvac	Equine Arteritis Virus (EVA)
BotVax B	Clostridium Botulinum Type B
Calvenza-03 EIV/EHV	Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Core EQ Innovator	Tetanus, EEE, WEE, Rabies, West Nile Virus
Core EQ Innovator + V	Tetanus, EEE, VEE, WEE, Rabies, West Nile Virus
Corynebacterium Pseudotuberculosis Bacterin-Toxoid	Corynebacterium pseudotuberculosis (Pigeon Fever)
Crotalus Atrox Toxoid	Rattlesnake toxin
Endovac-Equi	Salmonella typhimurium
Equi-Jec 6	Tetanus, EEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza), West Nile Virus
Equi-Jec 7	Tetanus, EEE, VEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza), West Nile Virus
Equi-Jec WNV	West Nile Virus
Equi-Jec WNV+EWT	Tetanus, EEE, WEE, West Nile Virus
Equiloid Innovator	Tetanus, EEE, WEE
Equip EHV 1,4	Rhino (Equine Herpesvirus [EHV])
EquiVac Innovator EHV-1/4	Rhino (Equine Herpesvirus [EHV])
Equine Rotavirus Vaccine	Equine Rotavirus
FluAvert I.N.	Flu (influenza)
Fluvac Innovator	Flu (influenza)
Fluvac Innovator 4	Tetanus, EEE, WEE, Flu (influenza)
Fluvac Innovator 5	Tetanus, EEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Fluvac Innovator 6	Tetanus, EEE, VEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Fluvac Innovator EHV-4/1	Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Imrab 1	Rabies
Imrab 3	Rabies
Imrab Large Animal	Rabies
Imrab + Potomavac	Rabies, Potomac Horse Fever (Neorickettsia risticii)
Lepto EQ Innovator	Leptospirosis
Pinnacle I.N.	Streptococcus equi
Potomavac	Potomac Horse Fever (Neorickettsia risticii)
Prestige 2	Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Prestige 3	Tetanus, EEE, WEE,
Prestige 3 + WNV	Tetanus, EEE, WEE, West Nile Virus
Prestige 4	Tetanus, EEE, WEE, Flu (influenza)
Prestige 5	Tetanus, EEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Prestige EHV-1/4	Rhino (Equine Herpesvirus [EHV])
Prestige 5+WNV	Tetanus, EEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza), West Nile Virus
Prestige WNV	West Nile Virus
Prestige EquiRab	Rabies
Prestige Prodigy	Rhino (Equine Herpesvirus [EHV])
Prestige Tetanus	Tetanus
Rabvac 3	Rabies
Rhinomune	Rhino (Equine Herpesvirus [EHV])
Strepvax II	Streptococcus equi (Strangles)
Tetanus Toxoid	Tetanus
Tetguard	Tetanus
Vetera 2xp	Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Vetera 4xp +WNV	Tetanus, EEE, WEE, Flu (influenza), West Nile Virus
Vetera 5xp	Tetanus, EEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Vetera 6xp	Tetanus, EEE, VEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Vetera EHVxp 1/4	Rhino (Equine Herpesvirus [EHV])
Vetera EIVxp	Flu (influenza)
Vetera EWT	Tetanus, EEE, WEE
Vetera EWT+WNV	Tetanus, EEE, WEE, West Nile Virus
Vetera Goldxp	Tetanus, EEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza), West Nile Virus
Vetera Goldxp + VEE	Tetanus, EEE, VEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza), West Nile Virus
Vetera VEWT	Tetanus, EEE, VEE, WEE
Vetera VEWT + WNV	Tetanus, EEE, VEE, WEE, West Nile Virus
Vetera WNV	West Nile Virus
West Nile Innovator	West Nile Virus
West Nile Innovator + EW	EEE, WEE, West Nile Virus
West Nile Innovator + EWT	Tetanus, EEE, WEE, West Nile Virus
West Nile Innovator + VEWT	Tetanus, EEE, VEE, West Nile Virus

See Reverse for Dewormer Product Guide

PRODUCT REFERENCE: DEWORMER PRODUCT GUIDE

Trade Name (Formulation)	Drug Name(s)	Manufacturer
Bimectin (Paste)	Ivermectin	Bimeda
Dechra Ivermectin (Paste)	Ivermectin	Dechra
Duramectin (Paste)	Ivermectin	Durvet
Durvet Ivermectin (Paste)	Ivermectin	Durvet
Eqvalan (Paste)	Ivermectin	Merial
Eqvalan Oral (Liquid)	Ivermectin	Merial
Horse Health Ivermectin (Paste)	Ivermectin	Horse Health Products
IverCare (Paste)	Ivermectin	Farnam
Ivermax (Paste)	Ivermectin	First Companion
Jeffers Ivermectin (Gel)	Ivermectin	Jeffers
Sparmectin-E (Liquid)	Ivermectin	Sparhawk Labs
Vetrimec (Paste)	Ivermectin	VetOne
Zimectrin (Paste)	Ivermectin	Boehringer Ingelheim
Eqvalan Gold (Paste)	Ivermectin AND Praziquantel	Merial
Equimax (Paste)	Ivermectin AND Praziquantel	Bimeda
Zimectrin Gold (Paste)	Ivermectin AND Praziquantel	Boehringer Ingelheim
Quest 2% (Gel)	Moxidectin	Zoetis
Quest Plus (Gel)	Moxidectin AND Praziquantel	Zoetis
Fencare (Pellets)	Fenbendazole	Farnam
Horse to Foal 2x (Pellets)	Fenbendazole	Durvet
Panacur (Paste)	Fenbendazole	Merck
Panacur PowerPac (Paste)	Fenbendazole	Merck
Panacur Suspension 10% (Liquid)	Fenbendazole	Merck
Safe-Guard (Paste)	Fenbendazole	Merck
Safe-Guard Equi-Bits (Pellets)	Fenbendazole	Merck
Durafend (Pellets)	Fenbendazole	Durvet
Anthelcide EQ (Paste)	Oxibendazole	Zoetis
Equistrength (Paste)	Pyrantel Pamoate	First Companion
Exodus (Paste)	Pyrantel Pamoate	Bimeda
Equitel (Paste)	Pyrantel Pamoate	VetOne
Pyrantel (Paste)	Pyrantel Pamoate	Durvet
Strongid (Paste)	Pyrantel Pamoate	Zoetis
Strongid T (Liquid)	Pyrantel Pamoate	Zoetis
Equi Aid CW (Pellets)	Pyrantel Tartrate	Farnam
PyrantelCare (Pellets)	Pyrantel Tartrate	Farnam
Strongid C 2X (Pellets)	Pyrantel Tartrate	Zoetis



Questionnaire: Section C Item 8 Vaccination scenarios

- A. “I don’t know what my vaccines vaccinate against” or “I don’t know what vaccines the horses have received.”**
- B. “My horses received a 3-way (4-way, 5-way, or 6-way) vaccine.”**
- C. “My horses are current on their vaccines” or “My horse has had all vaccines.”**
- D. “My horses received the core vaccines”.**

Response:

Refer the respondent to the **PRODUCT REFERENCE: VACCINATION GUIDE**

This lists vaccine products by trade name and includes the disease agents that each product vaccinates against.

Prompt the respondent to look at the vaccination bottle or box or product insert, veterinary invoice, or receipt for purchased vaccines



Questionnaire: Section C Item 8 Vaccination scenarios

Scenario: Standardbred and Quarter Horse Farm vaccinates annually with core vaccines: 5-way Fluvac Innovator, a West Nile Virus vaccine, and one for rabies. They also use two risk-based vaccines; Potomac Horse Fever and botulism. They do not use any other vaccines.

Product Reference: Vaccination Guide shows that the the 5-way Fluvac Innovator includes Tetanus, EEE, WEE, Rhino, and Flu.

Trade Name	Vaccinates Against (Vaccine Agents)
Fluvac Innovator	Flu (influenza)
Fluvac Innovator 4	Tetanus, EEE, WEE, Flu (influenza)
Fluvac Innovator 5	Tetanus, EEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza)
Fluvac Innovator 6	Tetanus, EEE, VEE, WEE, Rhino (Equine Herpesvirus [EHV]), Flu (influenza)



Questionnaire: Section C Item 8 Vaccination scenarios

8. From August 1, 2025, through July 31, 2026, were any resident equines vaccinated against the following diseases?
 (Please refer to the Product Reference Card for vaccine information.)

a. Flu (influenza)?.....	308	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know
b. Strangles (<i>Strep equi</i>)?.....	309	1 ☐ Yes	3 ☒ No	2 ☐ Don't Know
c. Rhino (Equine Herpesvirus (EHV-1))?.....	310	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know
d. Rabies?.....	311	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know
e. West Nile Virus (WNV)?.....	312	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know
f. Eastern and Western Equine Encephalitis (EEE & WEE or sleeping sickness)?.....	313	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know
g. Tetanus?.....	314	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know
h. Equine Viral Arteritis (EVA)?.....	315	1 ☐ Yes	3 ☒ No	2 ☐ Don't Know
i. Venezuelan Equine Encephalitis (VEE)?.....	316	1 ☐ Yes	3 ☒ No	2 ☐ Don't Know
j. Potomac Horse Fever (PHF)?.....	317	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know
k. Other? (specify: ¹³¹⁸)	318	1 ☒ Yes	3 ☐ No	2 ☐ Don't Know

Based on the Vaccination Reference Guide, the 5-way Fluvac Innovator includes Tetanus, EEE, WEE, Rhino, and Flu.

West Nile Virus, Rabies, Potomac Horse Fever, and botulism



Questionnaire: Section C Item 16 Deworming Drugs

16. From August 1, 2025, through July 31, 2026, did you use any of the following deworming drugs? (Please refer to the Product Reference Card for deworming products containing these drugs.)

- | | | | | |
|--|-----|--------------------------------|-------------------------------|---------------------------------------|
| a. Ivermectin or moxidectin..... | 330 | 1 ☐ Yes | 3 ☐ No | 2 ☐ Don't Know |
| b. Fenbendazole..... | 331 | 1 ☐ Yes | 3 ☐ No | 2 ☐ Don't Know |
| c. Pyrantel pamoate..... | 332 | 1 ☐ Yes | 3 ☐ No | 2 ☐ Don't Know |
| d. Pyrantel tartrate..... | 333 | 1 ☐ Yes | 3 ☐ No | 2 ☐ Don't Know |
| e. Praziquantel | 334 | 1 ☐ Yes | 3 ☐ No | 2 ☐ Don't Know |
| f. Oxibendazole..... | 335 | 1 ☐ Yes | 3 ☐ No | 2 ☐ Don't Know |
| g. Other? (specify: ¹³³⁸) | 338 | 1 ☐ Yes | 3 ☐ No | 2 ☐ Don't Know |

It is important to Refer to the Product Reference: Vaccine and Dewormer Guide.

<https://www.aphis.usda.gov/sites/default/files/nahms-equine-product-reference-card.pdf>

Questionnaire: Section C Item 13 – 15 Deworming

FREQUENCY - average number of times resident equines in each age group were dewormed.

From August 1, 2025, through July 31, 2026, how many times on average did you deworm resident equines that were: 	Number of times dewormed	If none, check all that apply
13. Less than 6 months old?	327	1327 ☐ Did not deworm 2327 ☐ Did not have this age
14. Between 6 and 23 months old?	328	1328 ☐ Did not deworm 2328 ☐ Did not have this age
15. 24 months and older?	329	1329 ☐ Did not deworm 2329 ☐ Did not have this age

Questionnaire: Section C Items 13 – 15 Deworming scenarios

The respondent states: “I did not have any equines less than 6 months old. The yearlings were dewormed with Quest Plus in the fall and Ivermectin in the spring and the summer. The rest of adults were usually dewormed in the fall and spring. But the high shedders were dewormed in the summer too.”

From August 1, 2025, through July 31, 2026, how many times on average did you deworm resident equines that were:	Number of times dewormed	If none, check all that apply
13. Less than 6 months old?	327 3	1327 1 ☐ Did not deworm 2327 1 ☒ Did not have this age
14. Between 6 and 23 months old?	328 3	1328 1 ☐ Did not deworm 2328 1 ☐ Did not have this age
15. 24 months and older?	329 2	1329 1 ☐ Did not deworm 2329 1 ☐ Did not have this age

Questionnaire: Section C Item 17 Fecal Egg Tests

17. During the five-year period from 2022-2026, did you ever have a fecal egg count test performed on feces from resident equines?..... 337 1 ☐ Yes 3 ☐ No 2 ☐ Don't Know

- Note that the time frame for the question is over a **FIVE-YEAR PERIOD**.
- Ask whether, at any time during the five-year period from 2022–2026, a fecal egg count test was performed on feces from any of the resident equines.

Section D Items 6, 9, 12

Health Event Tables

Header

- “resident equines”
- Each table pertains to a different age group
- August 1, 2025, through July 31, 2026

Item 6: Foals less than 6 months of age

Item 9: 6 months to less than 20 years of age

Item 12: 20 years of age or older

9. From August 1, 2025, through July 31, 2026, how many different resident equines 6 months to less than 20 years of age become affected with the following conditions?

Answer all columns for resident equines 6 months to less than 20 years of age, and for the time period from August 1, 2025, through July 31, 2026.

	Number affected with this condition ?	Of the (column 2) resident equines, how many received an antibiotic at least once for this condition?	Of the (column 2) resident equines, how many died or were euthanized due primarily to this condition?
Condition	Head	Head	Head
a. Colic.....	489	489	510
b. Other digestive problems such as diarrhea or choke.....	470	490	511
c. Dental problems; do not include routine floating.....	471	491	512
d. Respiratory problems such as EHV, strangles, flu, pneumonia, equine asthma, heaves.....	472	492	513
e. Endocrine disorder such as insulin dysregulation (ID), equine metabolic syndrome (EMS), or Cushings (PPID).....	473	493	514
f. Eye problems.....	474	494	515
g. Skin problems.....	475	495	516
h. Reproductive problems such as abortion, infertility, or infection of the reproductive tract.....	476	496	517
i. Behavioral problems that affected use, health or safety.....	477	497	518
j. Injury, wounds or trauma.....	478	498	519
k. Lameness, leg, or hoof problems ¹	479	499	520
l. Neurologic problems such as spinal problem, wobblers, seizure, West Nile virus, EHM, EPM.....	480	500	521
m. Pigeon fever caused by <i>Corynebacterium pseudotuberculosis</i> ..	481	501	522
n. Other infectious disease unrelated to specific body systems such as septicemia, or blood infections.....	482	502	523
o. Chronic weight loss/underweight.....	483	503	524
p. Overweight/obese.....	484	504	525
q. Liver or kidney disease.....	485	505	526
r. Cancer.....	486	506	527
s. Fever of undetermined origin.....	487	507	528
t. Other (specify: ¹⁴⁸⁸)	488	508	529
u. Treated with antibiotic to prevent disease.....		509	
v. Total died or were euthanized.....			530

¹Equine could not be used for intended purpose without treatment – drugs, alternative therapies, corrective shoeing or rest.

Section D Items 6, 9, 12

Column 1 Conditions listed Rows a – t.

Column 2 For each condition listed, record the number of different resident equines that became affected.

Column 3 Of those equines counted in Column 2, enter how many received an antibiotic at least once for that condition.

Column 4 Enter how many died or were euthanized primarily due to that condition.

9. From August 1, 2025, through July 31, 2026, how many different resident equines 6 months to less than 20 years of age become affected with the following conditions?

Answer all columns for resident equines 6 months to less than 20 years of age, and for the time period from August 1, 2025, through July 31, 2026.

	Number affected with this condition ?	Of the (column 2) resident equines, how many received an antibiotic at least once for this condition?	Of the (column 2) resident equines, how many died or were euthanized due primarily to this condition?
Condition	Head	Head	Head
a. Colic.....	489	489	510
b. Other digestive problems such as diarrhea or choke.....	470	490	511
c. Dental problems; do not include routine floating.....	471	491	512
d. Respiratory problems such as EHV, strangles, flu, pneumonia, equine asthma, heaves.....	472	492	513
e. Endocrine disorder such as insulin dysregulation (ID), equine metabolic syndrome (EMS), or Cushings (PPID).....	473	493	514
f. Eye problems.....	474	494	515
g. Skin problems.....	475	495	516
h. Reproductive problems such as abortion, infertility, or infection of the reproductive tract.....	476	496	517
i. Behavioral problems that affected use, health or safety.....	477	497	518
j. Injury, wounds or trauma.....	478	498	519
k. Lameness, leg, or hoof problems ¹	479	499	520
l. Neurologic problems such as spinal problem, wobblers, seizure, West Nile virus, EHM, EPM.....	480	500	521
m. Pigeon fever caused by <i>Corynebacterium pseudotuberculosis</i> ..	481	501	522
n. Other infectious disease unrelated to specific body systems such as septicemia, or blood infections.....	482	502	523
o. Chronic weight loss/underweight.....	483	503	524
p. Overweight/obese.....	484	504	525
q. Liver or kidney disease.....	485	505	526
r. Cancer.....	486	506	527
s. Fever of undetermined origin.....	487	507	528
t. Other (specify: ¹⁴⁸⁸)	488	508	529
u. Treated with antibiotic to prevent disease.....		509	
v. Total died or were euthanized.....			530

¹Equine could not be used for intended purpose without treatment – drugs, alternative therapies, corrective shoeing or rest.

Column 2 (Number affected): Enter a 1 for every condition type that every equid has experienced; therefore, **an equid may be counted multiple times within the column, but not multiple times within an individual cell.**

Column 3 (Antibiotics at least once): Enter a 1 for every equid that has been treated with antibiotics at least once for every condition it was treated for; therefore, **an equid may be counted multiple times within the column, but not multiple times within an individual cell.**

Column 4 (Died/Euthanized): Enter a 1 in only one row for each equid that died/was euthanized; therefore, **an equid may not be counted multiple times within the column.**

Sum check - Counts in column 3 should NOT be greater than counts in column 2 AND counts in column 4 should NOT be greater than counts in column 2.

9. From August 1, 2025, through July 31, 2026, how many different **resident equines 6 months to less than 20 years of age** become affected with the following conditions?

Answer all columns for resident equines 6 months to less than 20 years of age, and for the time period from August 1, 2025, through July 31, 2026.

Condition	Number affected with this condition ? Head	Of the (column 2) resident equines, how many received an antibiotic at least once for this condition? Head	Of the (column 2) resident equines, how many died or were euthanized due primarily to this condition? Head
a. Colic.....	469	489	510
b. Other digestive problems such as diarrhea or choke.....	470	490	511
c. Dental problems; do not include routine floating.....	471	491	512
d. Respiratory problems such as EHV, strangles, flu, pneumonia, equine asthma, heaves.....	472	492	513
e. Endocrine disorder such as insulin dysregulation (ID), equine metabolic syndrome (EMS), or Cushings (PPID).....	473	493	514
f. Eye problems.....	474	494	515
g. Skin problems.....	475	495	516
h. Reproductive problems such as abortion, infertility, or infection of the reproductive tract.....	476	496	517
i. Behavioral problems that affected use, health or safety.....	477	497	518
j. Injury, wounds or trauma.....	478	498	519
k. Lameness, leg, or hoof problems ¹	479	499	520
l. Neurologic problems such as spinal problem, wobblers, seizure, West Nile virus, EHM, EPM.....	480	500	521
m. Pigeon fever caused by <i>Corynebacterium pseudotuberculosis</i> ..	481	501	522
n. Other infectious disease unrelated to specific body systems such as septicemia, or blood infections.....	482	502	523
o. Chronic weight loss/underweight.....	483	503	524
p. Overweight/obese.....	484	504	525
q. Liver or kidney disease.....	485	505	526
r. Cancer.....	486	506	527
s. Fever of undetermined origin.....	487	507	528
t. Other (specify: ¹⁴⁸⁸).	488	508	529
u. Treated with antibiotic to prevent disease.....		509	
v. Total died or were euthanized.....			530

¹Equine could not be used for intended purpose without treatment – drugs, alternative therapies, corrective shoeing or rest.

Section D Items 6, 9, 12 Health Event Tables

Column 4 Enter how many died or were euthanized primarily due to that condition.

Respondent states: that their horse had multiple conditions when it died or that it had multiple conditions contributing to their decision to euthanize.



Response: This is very understandable; however, the question requires that the respondent make a judgement call to attribute a death or euthanasia to just one primary condition. In other words, there should only be 1 primary condition selected for each deceased equid.

Section D Items 6, 9, 12

Column 1 Rows a – t: types of conditions.

Please note these vary slightly from one table to the next.

u. Treated with antibiotic to prevent disease.....		509	
v. Total died or were euthanized.....			530

Row u: Column 2 is grayed out because this asks for the number of equines that received antibiotics to **prevent disease** – ANY disease. *This cell should not be used to total the column.*

Row v: Both columns 2 and 3 are grayed out because this asks for a total that died or were euthanized. *This cell should be used to total the column.*

9. From August 1, 2025, through July 31, 2026, how many different resident equines 6 months to less than 20 years of age become affected with the following conditions?

Answer all columns for resident equines 6 months to less than 20 years of age, and for the time period from August 1, 2025, through July 31, 2026.

Condition	Number affected with this condition ? Head	Of the (column 2) resident equines, how many received an antibiotic at least once for this condition? Head	Of the (column 2) resident equines, how many died or were euthanized due primarily to this condition? Head
a. Colic.....	489	489	510
b. Other digestive problems such as diarrhea or choke.....	470	490	511
c. Dental problems; do not include routine floating.....	471	491	512
d. Respiratory problems such as FHV, strangles, flu, pneumonia.....	472	492	513
e. Skin problems such as allergic reactions, insect bites, or sunburn.....	473	493	514
f. Reproductive problems such as abortion, infertility, or infection of the reproductive tract.....	474	494	515
g. Behavioral problems that affected use, health or safety.....	475	495	516
h. Injury, wounds or trauma.....	476	496	517
i. Lameness, leg, or hoof problems ¹	477	497	518
j. Neurologic problems such as spinal problem, wobblers, seizure, West Nile virus, EHM, EPM.....	478	498	519
k. Pigeon fever caused by <i>Corynebacterium pseudotuberculosis</i>	479	499	520
l. Other infectious disease unrelated to specific body systems such as septicemia, or blood infections.....	480	500	521
m. Chronic weight loss/underweight.....	481	501	522
n. Overweight/obese.....	482	502	523
o. Liver or kidney disease.....	483	503	524
p. Cancer.....	484	504	525
q. Fever of undetermined origin.....	485	505	526
r. Other (specify: ¹⁴⁸⁸)	486	506	527
s. Treated with antibiotic to prevent disease.....	487	507	528
t. Total died or were euthanized.....	488	508	529
u. Treated with antibiotic to prevent disease.....		509	
v. Total died or were euthanized.....			530

¹Equine could not be used for intended purpose without treatment – drugs, alternative therapies, corrective shoeing or rest.

Section D Items 7,10,11 Antibiotic treatment

	Head
10. From August 1, 2025, through July 31, 2026, how many different resident equines 6 months to less than 20 years of age were treated with an antibiotic at least once?.....	531

This question asks for the number of different resident equines 6 months to less than 20 years of age that were treated with an **antibiotic at least once** during the reference period.

Respondent asks: Didn't we just cover this in column 3 in the health event table?

Response: The difference here is that an equid may be counted more than once in column 3 of the table, but this item simply captures a **single overall count of equines treated with an antibiotic at least once for any reason.**

Section D Items 6, 9, 12 Health Event Tables

Please see the
 Interviewer's Manual
 Questions of Note & Appendix
 for example scenarios and
 completed Health Event
 tables.



9. From August 1, 2025, through July 31, 2026, how many different resident equines 6 months to less than 20 years of age become affected with the following conditions?

Answer all columns for resident equines 6 months to less than 20 years of age, and for the time period from August 1, 2025, through July 31, 2026.

Condition	Number affected with this condition ?	Of the (column 2) resident equines, how many received an antibiotic at least once for this condition?	Of the (column 2) resident equines, how many died or were euthanized due primarily to this condition?
	Head	Head	Head
a. Colic.....	469	489	510
b. Other digestive problems such as diarrhea or choke.....	470	490	511
c. Dental problems; do not include routine floating.....	471	491	512
d. Respiratory problems such as EHV, strangles, flu, pneumonia, equine asthma, heaves.....	472	492	513
e. Endocrine disorder such as insulin dysregulation (ID), equine metabolic syndrome (EMS), or Cushings (PPID).....	1	1	0
f. Eye problems.....	473	493	514
g. Skin problems.....	474	494	515
h. Reproductive problems such as abortion, infertility, or infection of the reproductive tract.....	475	495	516
i. Behavioral problems that affected use, health or safety.....	476	496	517
j. Injury, wounds or trauma.....	477	497	518
k. Lameness, leg, or hoof problems ¹	478 1	498 1	519 0
l. Neurologic problems such as spinal problem, wobblers, seizure, West Nile virus, EHM, EPM.....	479 1	499 0	520 0
m. Pigeon fever caused by <i>Corynebacterium pseudotuberculosis</i>	480	500	521
n. Other infectious disease unrelated to specific body systems such as septicemia, or blood infections.....	481	501	522
o. Chronic weight loss/underweight.....	482	502	523
p. Overweight/obese.....	483	503	524
q. Liver or kidney disease.....	484	504	525
r. Cancer.....	485	505	526
s. Fever of undetermined origin.....	486	506	527
t. Other (specify: ¹⁴⁸⁸ <u>Poor Performance</u>).....	487	507	528
u. Treated with antibiotic to prevent disease.....	488 1	508 0	529 0
v. Total died or were euthanized.....		509 0	530 0

¹Equine could not be used for intended purpose without treatment – drugs, alternative therapies, corrective shoeing or rest.



Questionnaire: Sections E - F

E. Movement: Nonresidents, New residents, Quarantine & Reasons for leaving

F. Future Planning:

Care continuity, Evacuation, & Euthanasia

G. General Management: Biosecurity, Pests, & Pasture

Questionnaire: Section E Movement Items 1 and 2 ‘Nonresident equines’

1. From August 1, 2025, through July 31, 2026, how many **nonresident** equines of any age were brought onto this operation for less than 30 consecutive days?.....
- | None | Head |
|--------------------------|------|
| ☐ | 601 |

Respondent asks: What do you mean by nonresident equine?

Response: ‘**Nonresident equines**’ are equines that are expected to spend more time at another operation than this one. In other words, the animal’s “home base” is another operation, and it is only temporarily present here.

Questionnaire: Section E Movement Items 3 – 5 ‘New resident equines’

3. From August 1, 2025, through July 31, 2026, were any **new resident** equines, including any foals born to **nonresident** mares, added to this operation? (EXCLUDE foals born to **resident** mares.)

611 ☐ Yes - Continue

☐ No - Go to Item 6

4. From August 1, 2025, through July 31, 2026, how many **new resident** equines were added to this operation?.....

Head

612

The GEHMQ does not provide criteria to define “**new resident equines**”. While the definition for resident from above still applies as it was defined, it is up to the respondent to decide how to classify their resident equines as “**new**”.

Questionnaire: Section E Movement

Section E - Movement

In this section, the term 'quarantine' means to prevent nose-to-nose contact with other equines from this operation **and** to prevent sharing of feed, drinking water, and equipment, such as brushes, combs, hoof picks, and buckets, among equines.

Quarantine is defined in the GEHMQ at the start of Section E (see above).

Quarantine can also be defined as: Physical separation of an animal or group of animals from other animals on the operation, with no physical contact allowed. It is used to prevent the spread of contagious diseases.

Quarantine is often applied to new arrivals or animals returning to the operation.

The term isolation, which is sometimes restricted to the act of pulling a herd mate out from the rest of the herd to separate it from others, may be used in place of quarantine.

Section E Potentially Sensitive Topics

Section E Item 14 Reasons resident equines permanently left

14. From August 1, 2025, through July 31, 2026, how many resident equines permanently left this operation by the following methods: (Enter only one method per equine, and select "No equines removed by this method" if that method was not used.)

Method	No equines removed by this method	Equines no longer suited for intended purpose	All other equines that left
		Head	Head
a. Sold directly to a private party.....	657 ☐	664	672
b. Given away to a private party.....	658 ☐	665	673
c. Donated to charity/research/rescue facility.....	659 ☐	666	674
d. Sold at public auction.....	660 ☐	667	675
e. Sent to slaughter through livestock sales broker.....	661 ☐	668	676
f. Moved to another facility.....	662 ☐	669	677
g. Removed by another method (specify: ¹⁶⁷⁰)	663 ☐	670	678
h. Total (add Items 14a-14g; column 2 total should equal Item 12a and column 3 total should equal Item 12b)		671	679

Section A Item 6 Rehome

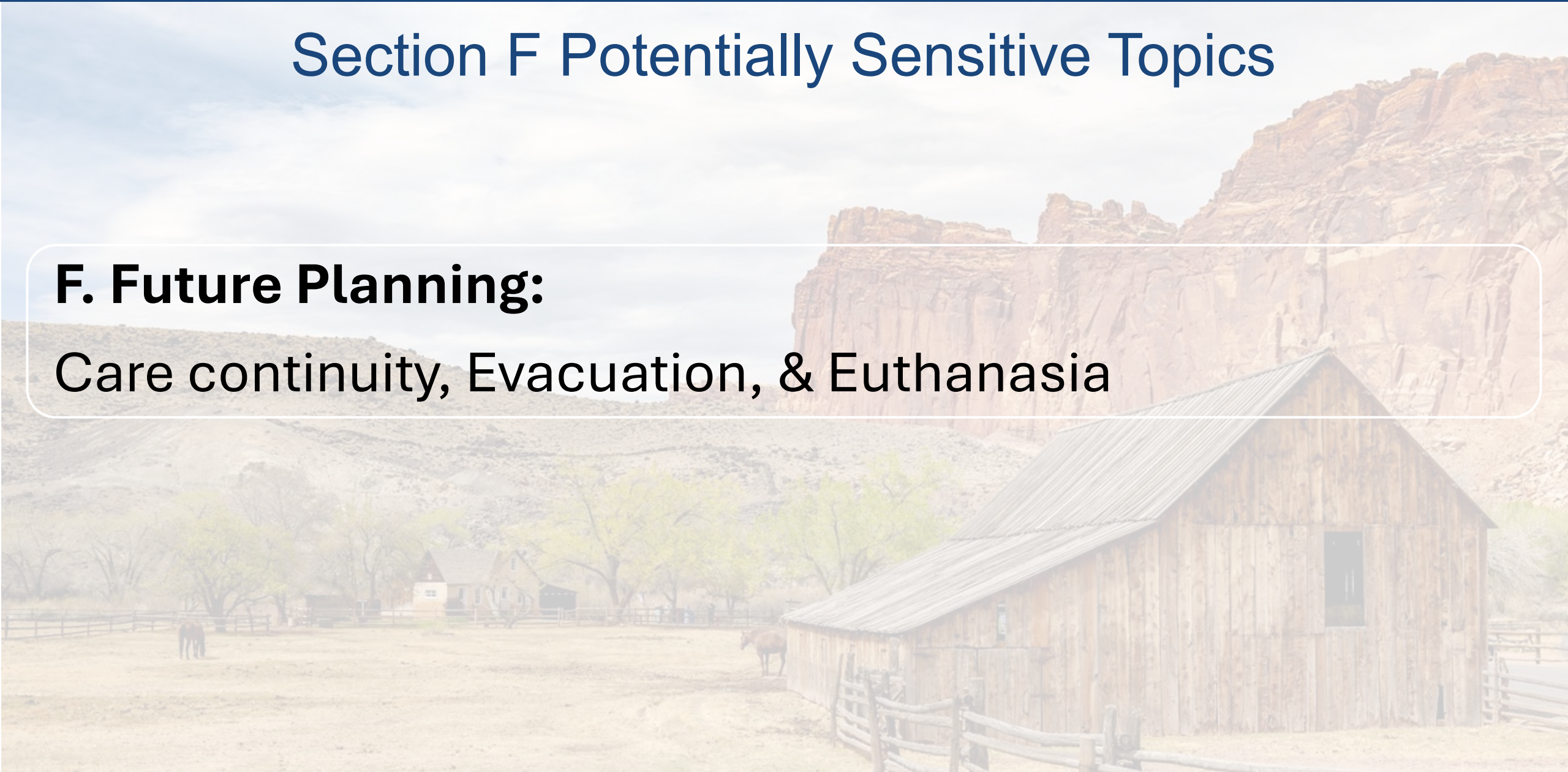
6. Of the resident equines you reported having on August 1, 2026 (Item 2g), how many were you planning to rehome because they are no longer suited for their intended purpose?

	None	Head
1136	☐	136

Section F Potentially Sensitive Topics

F. Future Planning:

Care continuity, Evacuation, & Euthanasia



Questionnaire: Section H, Item 1

1. Enter interview response code. (Check one)

- 901
- 1 ☐ No Resident Equines on August 1, 2026; not eligible for this survey
 - 2 ☐ Out of business
 - 3 ☐ Refusal
 - 4 ☐ Complete
 - 5 ☐ Out of scope
 - 6 ☐ Office hold
 - 7 ☐ Inaccessible



RESPONSE CODE question. ***This question should be completed for all of the questionnaires.***

It is important for analysis that response codes are known for all operations in the sample.

Thank you!

Questions?



Diana Short, DVM, DACVIM (LAIM), PhD
NAHMS VMO, Epidemiology

Diana.short@usda.gov

Lauren Wisnieski, MS, PhD
NAHMS Biological Scientist, Epidemiology

Andrea Beam, DVM, MS
NAHMS Director
Andrea.L.Beam@usda.gov