

## **RISK MANAGEMENT FOR 4-H YOUTH DEVELOPMENT WORK**

# Large Animals—Horses

This is one publication in the EDIS series *Risk Management for 4-H Youth Development Work*. This series is intended to equip UF/IFAS Extension county faculty, staff, volunteers, and youth for the important task of providing best practices in risk management strategies.

Our goal is to conduct educational events and activities that coincide with the 4-H mission and mandates while ensuring the safety of participants, sponsors, property, finances, and the goodwill/reputation of the 4-H name. Planning and preparation can mitigate the inherent risk of events and activities. This risk management guide outlines ways to prepare for and deal with the specific risks associated with your program.

Early planning is key to conducting successful events and activities. A helpful tool in this process is the planning guide and matrix from another part in this series, EDIS publication #4FSV90.1, "Pre-Event Planning Guide and Matrix." As you work through this matrix, you may have questions that are unique to your situation and might not be completely answered by the series. Extension faculty and staff should refer these questions to appropriate personnel. Questions that require time for research punctuate the need for early planning.

When considering potential risks for youth at events that involve horses, start by breaking all of the foreseeable situations into groups according to risk type. This publication will address risks in the following six categories:

- 1. Liability
- 2. Injuries to People
- 3. Injuries to Horses
- 4. Property Damage
- 5. Biosecurity—Human Infectious Diseases
- 6. Biosecurity—Equine Infectious Diseases

Brainstorming the potentialities in each category will give you a "leg up" in being ready for anything.

## Introduction

Preparing for risks associated with horse events is similar whether the event is held at a horse show facility/gathering place or at a privately owned facility of a parent, leader, or volunteer. Both situations involve youth gathering at a facility that is not their own and likely bringing their horse. Even farm owners who invite 4-H groups onto their property to interact with their horses should be aware of the potential risks and should have a risk management plan in place.

Creating a risk management plan for horse events does not mean you need to identify every possible risk; that would be impossible. However, it does force you to stop and think about what situations might arise, how to lower the chances of them occurring, and how to react if they do occur. Having a plan demonstrates diligence to provide an event that is as safe as reasonably possible for the youth, public, and horses.

# State Equine Liability Law Requirements

First and foremost, Florida Statute §773.04 requires equine activity sponsors or equine professionals to post state Equine Liability Law notices. The sign should state, "WARNING: Under Florida law, an equine activity sponsor or equine professional is not liable for an injury to, or the death of, a participant in equine activities resulting from the inherent risks of equine activities." There is plenty of fine print between the lines of that seemingly simple statement. It would be prudent for any equine event host to read the full statute to understand who and

what it covers, as well as its exceptions. The statute also includes details for when and where to post the signs.

### **Insurance**

UF/IFAS Extension holds an excess insurance policy with American Income Life Insurance to provide accident insurance for all 4-H members. Registered participants of 4-H events may also be covered through the American Income Life policy. Please contact your 4-H agent to confirm policy and to see if an additional special events policy through American Income Life is necessary for the planned event.

In addition to accident insurance, most facilities will require liability insurance to be purchased for the event. State facilities will likely be covered under the State of Florida umbrella policy. County and private facilities often require proof of a \$1 million liability policy. For more information, refer to Florida 4-H Policies & Best Management Practices and another part from this series, EDIS publication #4H10.5, "Insurance."

Additional liability insurance can be purchased from the following companies: K&K Insurance, Advantage Equine Agency, and Francis L. Dean & Associates.

# **Injuries to People**

The safety of the participants and spectators is likely the overriding concern for event hosts. People who own, ride, and/or show horses should already be familiar with the dangers involving horses and should know how to work safely around them. However, youth or public spectators who have no experience with horses need more safety instruction and supervision. Regardless of a person's experience level, horses are large animals with minds of their own. Accidents can and will happen. An event coordinator's best approach is to hope for the best but plan for the worst.

Injuries that could happen to people range from extremely minor to very severe, up to and including death. You should plan for the worst scenario and know immediate care plans until an EMT arrives. Event coordinators/staff should know what emergency equipment is available,

where it is, and who may use it (fire extinguishers, AEDs, first aid kits, etc.). That said, more likely situations will include bee/wasp/bug stings, heat issues, and minor cuts and punctures. When you factor in injuries that involve the horse, things start to get more severe—kicks, bites, head injuries, broken bones, and so forth. The potential injuries to people are too many to list here or even foresee. Refer to Appendix Table 1 for examples of risks to people and suggestions for avoiding or mitigating them. Please note that volunteers/agents should be familiar with youth health forms before administering any medication, sunscreen, and so forth to a child.

#### **Helmet Use**

When considering potential injuries to mounted participants, it is a best management practice to require the use of a helmet. You may check if your event requires helmet use by Florida Statute \$773.06. Read the law and the exceptions closely because many 4-H events involving horses fall into one of the exceptions. If state law does not require helmet use, consider the policy for the Florida 4-H Area & State Horse Show Official Rules. This rulebook requires exhibitors to wear helmets at all times when mounted and also when handling the horse on foot in congested areas (warm-up and class make-up areas). Although this rulebook only applies directly to Area and State 4-H Horse Shows, county programs are encouraged to adopt these rules as their county rules. Good practices apply to all levels of the 4-H program.

# **Injuries to Horse**

As an event organizer, your primary concern may be for the safety of the participants. Meanwhile, most participants will be more concerned for the safety of their horses. To prepare for the safety of the horses, meet with the facility manager well before the event and thoroughly inspect the grounds. Watch for things that could cause injury, such as loose boards, exposed nails, uneven footing, roots or stumps in riding areas, and so forth. Give the manager time to rectify issues that can be fixed. Some events (such as jumping and barrel racing) require a specific type of footing in the arena. Confirm that the arenas you have chosen for these events have suitable, safe footing.

Before the event, riders should be familiar with how to ride safely in groups, understand the actions and reactions of horses, and be able to avoid putting themselves in dangerous situations. There are a few things an event coordinator can do to prevent horses from hurting each other. Some of those precautions include limiting warm-up areas to those in specific upcoming classes, controlling how riders and horses gather in close proximity outside of arenas, and empowering staff to point out and stop potentially dangerous situations when observed in passing. Appendix Table 2 lists more examples of risks to horses.

# **Risk of Property Damage**

Easy to overlook is the reverse situation of the horse or participant possibly damaging the facility itself. Minor damage that often happens without intention comes from innocent tasks such as hanging buckets or decorating barn areas. The facility will likely have methods of hanging buckets available that do not require nailing any new hardware to stall walls. Participants should also avoid using adhesives that leave permanent residue when decorating their stall areas (like liquid nails, etc.).

A more impactful risk to the participants involves threats to their personal property and to the facility. Remind them about the potential for theft and advise them to keep their tack and other valuables locked in a tack stall or vehicle. More important is the risk of fire, especially in barns. "No Smoking" signs should be displayed prominently and enforced in all barns. If anyone uses fans, clippers, or other power equipment, they should be unplugged when not in use. Consider limiting the use of these powered devices to avoid overpowering the circuits. More examples of how property can be damaged are in Appendix Table 3.

# Biosecurity—Diseases Transmitted to Humans

Animals, including horses, may carry microorganisms that can cause diarrhea and other gastrointestinal symptoms in humans. These microorganisms are shed in an animal's feces and (sometimes) saliva. After shedding, they may also survive in an animal's environment.

Organisms of concern include Salmonella, Campylobacter, E. coli, and Cryptosporidium parvum. Participants, staff, and the public should be aware of touching one horse and then another. After touching animals, attendees should avoid hand-to-mouth contact until their hands can be thoroughly washed. If there will be significant attendance by the general public, it is also a good idea to post sanitation reminder signs and even provide hand washing or sanitizer stations (see Appendix Table 4).

Transmission of equine disease directly from horse to human via insects is unlikely. As a general precaution, and for the comfort of both, people should use mosquito repellent on themselves and insecticide spray on their horses.

# Biosecurity—Diseases Transmitted Between Horses

Event organizers should check if there are any current outbreaks and gathering restrictions set by the state veterinarian (see the FDACS webpage on equine movement requirements). Horse movement restrictions put in place by the State of Florida will override your planning and likely result in having to cancel the event. Even without any statewide restrictions, all horses traveling should test negative for Equine Infectious Anemia (EIA), as documented on a current Coggins test. Proof of "negative Coggins" within the past 12 months should be collected upon arrival at the event or submitted with the registration. In either case, the physical appearance of the horse should be compared with the description on the Coggins test to ensure a match. Show organizers may choose to contact their local FDACS inspectors to check Coggins upon arrival at the event.

The owner of a boarding stable or pasture, the sponsors of an event, or the person designated in charge of an event is responsible for ensuring that each horse meets the EIA test requirements and for maintaining test report records for a period of two years (see the FDACS webpage on equine infectious anemia). These records must be available for inspection by a Department of Agriculture representative whenever requested and must include the following information:

- a. The name of the horse;
- b. The name of the horse's owner or the name of the owner's representative;
- c. The EIA test date, which is the date the blood sample was obtained to be submitted; and
- d. The laboratory accession number of the EIA test report.

Diseases that are transmitted via direct contact or contact with objects are more of a concern to a facility host than those transmitted by mosquitoes or other vectors. Mosquitoes typically do not transmit diseases from one horse to another (EIA being an exception). They carry it from an intermediate host (such as birds) to horses and sometimes people. Therefore, a horse with a vector-transmitted disease usually does not put other horses at immediate risk. However, if horses are in an area where mosquitoes carried a disease from infected birds to one horse, then there is a possibility for the mosquitoes to carry it to other horses and sometimes to humans. Please note that mosquitoes can transmit EIA from horse to horse, which is why all horses should test negative for carrying EIA before mingling (negative Coggins).

Communicable diseases that are transmitted by direct contact, aerosol, or communal contact with objects are more likely threats. When visually comparing horses to the Coggins test description, organizers should also check for signs of illness (non-clear nasal discharge, fever, lethargy) and, if present, isolate or turn horses away. Buckets should be cleaned and sanitized between uses by different horses, and communal water troughs should be avoided. Stalls should also be completely stripped of bedding and sanitized between groups of horses. Refer to Appendix Table 5 for more thoughts related to communicable diseases.

# **General Precautions**

You will most likely face many risks that do not fit into one of the aforementioned categories. One of the greatest risks involves weather. At most outdoor events in Florida, you can count on either heat and humidity, rain and thunderstorms, or both. Any good risk management plan should have contingencies for the weather. Keep an air-conditioned space available for anyone having issues

with the heat. For thunderstorms with nearby lightning, establish a plan defining when to pause and resume activities. Refer to Appendix Table 6 for more details about planning for severe weather.

One of the most unpredictable situations you might encounter is the impulsive reactions of upset participants, parents, trainers, and so forth. The significant majority of youth who participate in horse shows and their "entourage" take the ups and downs of horse shows in stride. However, there might be an unusual situation that causes someone to react emotionally and persistently. In such cases, there should be one "authority" who is tasked with handling the situation. If attempts at calming the upset person fail and the situation causes a disturbance to others, there should be a plan in place for asking that person to leave. General 4-H Code of Conduct procedures, as outlined in Florida 4-H Policies & Best Management Practices, apply in this case and for any other standard operating procedures you have in place for the specific event. Similarly, on the occasion that protesters come to the event, one person should be tasked with handling them as well as any media response.

# **Summary**

Creating a risk management plan for horse events does not mean you need to identify every possible risk. Reviewing the examples in the tables and completing your own risk management plans encourage you to slow down and think about how various situations could arise and how to mitigate the associated risks. When diligently planning educational events and activities, you will find the benefits of youth programming almost always outweigh the risks. Finally, as with all Florida 4-H programs, you should review and adhere to the Florida 4-H Policies & Best Management Practices, which will always supersede any printed materials.

# Resources

Advantage Equine Agency Inc., http://www.advantageequine.com/

American Income Life Insurance, Special Risk Division, https://www.ailife.com/about/specialriskdivision

American Income Life Insurance, Submitting 4-H/CES activity report, https://www.ailife.com/specialriskdivision/activityreport

California Department of Food and Agriculture, Biosecurity toolkits: http://www.cdfa.ca.gov/ahfss/ animal\_health/equine\_biosecurity.html

Extension Horses, Safety articles: "Helmet Fitting Guidelines for Horse Owners" (https://horses.extension.org/helmet-fitting-guidelines-for-horse-owners/) and "'Horse Sense' Youth Equine Safety Course Now Available" (https://horses.extension.org/horse-sense-youth-equine-farm-safety-course-now-available/)

Florida Administrative Code, Equine infectious anemia statute: https://www.flrules.org/gateway/RuleNo. asp?ID=5C-18.011

Florida Bar Journal, "Back in the Saddle Again: An Analysis of Florida's Equine Immunity Act": https://www.floridabar.org/the-florida-bar-journal/back-in-the-saddle-again-an-analysis-of-floridas-equine-immunity-act/

Florida Department of Agriculture & Consumer Services (FDACS), Moving horses into and within Florida: https://www.fdacs.gov/Agriculture-Industry/Horses-Equine/Equine-Movement-Requirements

Florida Statute §773, Equine activities, http://leg.state.fl.us/Statutes/index.cfm?App\_mode=Display\_Statute&URL=0700-0799/0773/0773.html

Francis L. Dean & Associates, Special events, https://new.fdean.com/special-events.aspx

K&K Insurance, https://www.kandkinsurance.com/

UF/IFAS Extension, Department of Animal Sciences, Florida 4-H Area & State 4-H Horse Shows, 2025 Official Rules (PDF), https://animal.ifas.ufl.edu/media/animalifasufledu/horse-extension/2025-FL4HRulebook-Final.pdf

UF/IFAS Extension, EDIS publication #4HFSV373, "Risk Management for Florida 4-H Youth Development Work: Risk Management Checklist," https://edis.ifas.ufl.edu/publication/4H384

UF/IFAS Extension, EDIS publication #4HFSV90.1, "Risk Management for 4-H Youth Development Work: Pre-Event Planning Guide and Matrix," https://edis.ifas.ufl.edu/publication/4H299

UF/IFAS Extension, Florida 4-H Participation Form for Youth and Adults, https://florida4h.ifas.ufl.edu/media/florida4hifasufledu/docs/participation-form.pdf

UF/IFAS Extension, Florida 4-H Policies & Best Management Practices, https://florida4h.ifas.ufl.edu/media/florida4hifasufledu/docs/Florida-4-H-Policies-Updated-11.01.23---Copy.pdf

# **Appendix Tables**

The following tables list a variety of potential risks and suggestions on how to prevent or mitigate them. Obviously, not all potential risks are listed because it is impossible to foresee all potential circumstances, especially when animals are involved. The average severity level for each group of risks is shown on a chart from "Pre-Event Planning Guide and Matrix." The majority of the risks listed could result in injuries anywhere from very minor to severe or death. The chart reflects the level of injury most likely to occur (Figure 1). As a reminder, see the following sections as key to the matrix headers.

	Probability that	something will	go wrong	
Levels of risk/severity	A B C Likely to Probably will May occur occur		robably will May occur	
I. Severe/ critical	High 5	High 5	High 4	Medium 3
II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
III. Minor/low	High 4	Medium 3	Medium 2	Low 1
IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1

Figure 1. Chart listing the probability that something will go wrong.

# **Levels of Severity**

- I. May result in death.
- II. May cause severe injury, major property damage, significant financial loss, and/or negative publicity for the organization and/or institution.
- III. May cause minor injury, illness, property damage, financial loss, and/or negative publicity for the organization and/or institution.
- IV. Hazard presents a minimal threat to safety, health, and well-being of participants.

## **Probability That Something Will Go Wrong**

- A. Likely to occur immediately or in a short period of time; expected to occur frequently.
- B. Probably will occur in time.
- C. May occur in time.
- D. Unlikely to occur.

Please note that the suggestions given on how to prevent and/or mitigate the risks listed are not official 4-H policy.

These are simply best practices you may consider as you tailor your own risk management plans.

#### Table 1. Injuries to People

# Risk

#### **Mounted Injuries**

Falls from horse leading to head injuries, broken bones, internal injuries, cuts, bruises, etc.; horse fall potentially pinning rider.

#### **Prevention and Mitigation**

- Participants should wear an SEI/ASTMapproved equestrian helmet, boots (no sandals/ flip-flops), snug-fitting clothes, and no rings/ loose jewelry that could snag on equipment.
- Horse should be appropriate for the rider as far as age/training.
- Be aware of surroundings, noticing things that might spook the horse. Familiarize horse with event-day situations.

#### **Risk Level**

	Probability that	Probability that something will go wrong						
Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur				
I. Severe/ critical	High 5	High 5	High 4	Medium 3				
II. Significant/ medium	High 5	High 4	Medium 3	Medium 2				
III. Minor/low	High 4	Medium 3	Medium 2	Low 1				
IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1				

#### Non-Mounted Injuries Related to Horse

Head injuries from kicks, head tosses, etc.; cuts, scrapes, rope burns, and bruises; muscle/back strain (from heavy lifting); horse steps on feet; bites; debris in eyes.

- Participants should wear an SEI/ASTMapproved equestrian helmet, boots (no sandals/ flip-flops), snug-fitting clothes, gloves when handling ropes, glasses to prevent dirt and loose hair getting in eyes, and no rings/loose jewelry that could snag on equipment.
- Anyone handling horses should be familiar with basic horse handling safety. For example, rope should be held in a loose coil and never wrapped around your hands, arms, or other body parts.
   Learn to tie horses properly.
- Anyone handling horses should learn to recognize horse behaviors and always be aware of its actions/reactions.

	Probability that	something will g	go wrong	
Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur
I. Severe/ critical	High 5	High 5	High 4	Medium 3
II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
III. Minor/low	High 4	Medium 3	Medium 2	Low 1
IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1

#### Non-Mounted Injuries Related to Surroundings

Sprains, bruises, and breaks from slipping on wet surfaces, stepping on uneven ground, rubbing against rough surfaces, and feet getting tangled in ropes/hoses; stings (bee, wasp); heat-related reactions; falls from bleachers; dog bites and risks associated with horses spooked by dogs.

- Inspect grounds for loose boards, holes, sharp edges, etc. Look for holes hidden in grass. Check that bleachers are safe. Note weak trees and lowhanging branches and avoid riding too close.
- All participants should keep all equipment such as ropes and hoses off the ground and store them neatly.
- Anyone handling horses should know what emergency equipment is available, where it is, and who may use it (fire extinguishers, AEDs, first aid kits).
- Have a cool place available and access to plenty of water.
- Handlers should be aware of where others are in relation to their horses and should advise them to move away or how to approach safely.
- Ideally, dogs should not be allowed on the show grounds unless they are service dogs. Practically, set clear parameters regarding dogs on the grounds (e.g., must be on a leash; not permitted in food service areas, indoors, horse gathering areas, nor along the outside of arenas in use).

	Probability that	something will g	go wrong	
Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur
I. Severe/ critical	High 5	High 5	High 4	Medium 3
II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
III. Minor/low	High 4	Medium 3	Medium 2	Low 1
IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1

#### Risk

#### **Injuries in Vehicles**

Range of injuries from vehicle accidents.

Injuries from small vehicle accidents (golf carts, mopeds, bikes, skateboards).

#### **Prevention and Mitigation**

- Drivers of 15-passenger vans need to be certified. Drivers of any vehicle need to have valid licenses and insurance (see the sections on Transportation and Volunteering for 4-H in Florida 4-H Policies & Best Management Practices).
- Parents can transport their youth to events. Volunteers, adults who are not a parent/guardian, or UF faculty or staff must follow the two-deep leadership policy if transporting youth (see the sections on Transportation and Volunteering for 4-H in Florida 4-H Policies & Best Management Practices).
- It is best practice to avoid riding in open pickups. Operators of motor vehicles (golf carts, mopeds, etc.) should have a valid driver's license.
- No skateboards, bikes, mopeds, golf carts, etc., around horses.

### Anyone handling horses should practice loading their horse in a trailer using safe methods. Check floors/walls of the trailer for sharp protru-

sions/loose boards.
Operate doors/latches carefully and be aware of where others are when closing door latches.

#### Risk Level

	Probability that	something will	go wrong	
Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur
I. Severe/ critical	High 5	High 5	High 4	Medium 3
II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
III. Minor/low	High 4	Medium 3	Medium 2	Low 1
IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1

#### Injuries When Hauling Horses

Injuries from horse lunging back or forward (rope burns, pinned against walls, stepped on).

Cuts, scrapes, and bruises from trailer edges.

Hands/fingers pinched in trailer latches/doors.

	Probability that	something will	go wrong					
Levels of risk/severity			C May occur	D Unlikely to occur				
I. Severe/ critical	High 5	High 5	High 4	Medium 3				
II. Significant/ medium	High 5	High High 5 4		Medium 2				
III. Minor/low	High 4	Medium 3	Medium 2	Low 1				
11/	100000000000000000000000000000000000000			1 2				

Medium

Medium

Insignificant/

#### **Risks at Parades**

Parades are exciting: Both human and animal participants are energized and sometimes agitated by the crowd, noises, and unexpected events.

Many of the risks at parades are either risks to the spectators or risks to youth due to the spectators. The typical parade viewer lacks the "horse sense" to recognize developing situations and be able to react to them.

- Ask parade organizers to be mindful of having animals in the parade as far away as possible from the bands, fire trucks, and other extremely noisy and quickly moving entrants.
- Do not throw candy from horseback.
- Participants should use only well-seasoned horses who have been desensitized to crowds, flags, traffic, whistles, and other parade noises and sights.
- Only allow one rider per horse.
- Tack should be in good condition.
- Provide muck collectors and equipment to pick up manure.
- Provide side walkers. These should not be the same people as banner carriers and muck collectors. Recommended number of side walkers: one per every four mounted or led horses, one per every carriage or cart, and one per every two horses in a multi-horse hitch. The side walker is placed between the horse and the spectators so that they can intercede to protect spectators if a horse misbehaves. The side walker is a qualified horse handler assigned to specific horses and responsible for monitoring safety.
- 4-H club leaders should understand basic horse behavior and techniques to minimize the stress on equines and their riders.

	Probability that	something will	go wrong	
Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur
I. Severe/ critical	High 5	High 5	High 4	Medium 3
II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
III. Minor/low	High 4	Medium 3	Medium 2	Low 1
IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1

### Table 2. Injuries to Horse

Risk	Prevention and Mitigation	Risk Level				
Injuries From Other Horses Cuts, scrapes, contusions from kicks and bites.  Participants should learn to recognize horse behaviors and always be aware of interactions/ reactions between horses. Anticipate when one or the other may become aggressive or defensive. Avoid situations that lead to kicks/bites. Riders should be aware of their surroundings	Levels of	Probability that  A  Likely to occur	something will g B Probably will occur	go wrong C May occur	D Unlikely to occur	
	Avoid situations that lead to kicks/bites.	I. Severe/ critical	High 5	High 5	High 4	Medium 3
	and not interfere with or obstruct others riding in the area.	II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
		III. Minor/low	High 4	Medium 3	Medium 2	Low 1
		IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1
njuries From Facility		Probability tha	t something will g	no wrong		
Cuts, scrapes, and punctures from sharp objects in barns and arenas;	protruding objects on walls or railings that may puncture the horse's skin. All participants should keep barn aisles clear of obstructions.  • Photograph things at events that may represent risk so you can refer specifics to the facility manager. Look for holes or roots hidden in grass.  • The facility perimeter should be secure to prevent loose horses from getting out into traffic.	Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur
imb injuries from uneven footing.		I. Severe/ critical	High 5	High 5	High 4	Medium 3
		II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
		III. Minor/low	High 4	Medium 3	Medium 2	Low 1
		IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1
njuries While Riding	• Footing in the arena must be suitable for each		Probability tha	t something will g	no wrong	
Tendon and bone injuries from nappropriate or uneven footing;	event and should be free of rocks or other hazard- ous materials. Be aware of hidden holes or roots in grass.  Riders should know general group riding safety and provide space between their horses and others.	Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur
njuries from kicks, spooks, etc., vhen riding in groups.		I. Severe/ critical	High 5	High 5	High 4	Medium 3
		II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
		III. Minor/low	High 4	Medium 3	Medium 2	Low 1
		IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1

#### Table 3. Risk of Property Damage

#### Risk Level Risk Prevention and Mitigation • Advertise clear rules about how buckets may **Facility Damage by People** Probability that something will go wrong be hung, stalls latched, fans hung, and stalls Broken rails in stalls, permanent D A Likely to decorated without damaging facility. Levels of Probably will May occur Unlikely to adhesive residue left on surfaces, risk/severity occur occur occur • "No Smoking" signs should be prominently and damaged stall doors; fire; posted in barns. Heating/cooking appliances Medium High High Severe/ vehicles hitting gates, fences, or should not be allowed in barns. Electric equipcritical other structures. ment (clippers, blowers) should be unplugged 11. High High Medium Medium Significant/ when not in use. 3 2 medium Medium Ш High 4 Medium Low 1 Minor/low 2 3 Medium Medium Low 1 Low Insignificant/ very low • Place "Do not tie horse" signs on structures that **Facility Damage by Horses** Probability that something will go wrong are unsafe to tie horses. Damage to stall from kicks; broken D Assign problem/aggressive horses to stalls next Likely to Probably will May occur Unlikely to boards, rails, gates, etc., from Levels of to familiar horses. risk/severity occur occur occur improper tying. High 5 High 4 Medium Severe/ critical High High Medium Medium Significant/ medium Medium Medium Minor/low 3 2 Medium Medium Low Insignificant/ 3 very low • Encourage participants to keep valuables locked **Personal Property Damage** Probability that something will go wrong in stalls or vehicles. Theft; damage to vehicles; water D C · Provide ample space for parking vehicles and Likely to damage to tack, feed, and hay. Probably will May occur Unlikely to Levels of trailers with room to drive and maneuver around occur occur occur risk/severity Medium Severe/ · Confirm with the facility manager that barns 3 critical have no known water issues. Wash racks should High 5 High 4 Medium not be near stall openings. Medium Significant/ 3 2 medium Medium High 4 Medium Low 1 Minor/low Medium Medium Low Low Insignificant/ very low

#### Table 4. Biosecurity–Diseases Transmitted to Humans

Risk	Prevention and Mitigation	Risk Level					
<b>Basic Sanitation</b>	<ul> <li>Encourage frequent hand washing with soap while around horses, especially before eating.</li> <li>All participants should use hand sanitizers if soap/water is not immediately accessible.</li> </ul>	[85]	Probability that something will go wrong				
Gastrointestinal illness caused by bacteria present on horse, manure,		Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur	
and dirty equipment.	All participants should limit hand-to-face contact between hand washings.  Petropic particles with the place of the participant facility and the participant facility and the participant facility.  The participant is the place of the participant facility and the participant facility and the participant facility.  The participant facility and the participant	I. Severe/ critical	High 5	High 5	High 4	Medium 3	
	Post notices with the above precautions for the general public.	II. Significant/ medium	High 5	High 4	Medium 3	Medium 2	
		III. Minor/low	High 4	Medium 3	Medium 2	Low 1	
		IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1	
Diseases That Can Be	• Use fly spray for horses and mosquito repellent	185	Drobability tha	t something will g	no wrong		
Transmitted to Humans Via Mosquito or Tick	for people.  Raise awareness that ticks could attach to people, requiring proper removal and disposal.	Levels of risk/severity	A Likely to occur	B Probably will occur	C May occur	D Unlikely to occur	
Encephalomyelitis, West Nile, and Lyme disease.		I. Severe/ critical	High 5	High 5	High 4	Medium 3	
		II. Significant/ medium	High 5	High 4	Medium 3	Medium 2	
		III. Minor/low	High 4	Medium 3	Medium 2	Low 1	
		IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1	

#### Table 5. Biosecurity—Diseases Transmitted Between Horses

Risk	Prevention and Mitigation	Risk Level				
Common Aerosol/Direct/Oral Transmitted Diseases EHV-1, EHV-4, influenza, strangles, and EVA.  Common Vector Transmitted Diseases	Event organizers should check if there are any current outbreaks and gathering restrictions set by the state veterinarian.     Clean and sanitize buckets that are used from one horse to another. Avoid communal water troughs.	Levels of	A Likely to	t something will g	go wrong C May occur	D Unlikely to
		risk/severity I. Severe/ critical	occur High 5	occur High 5	High 4	occur Medium 3
	Avoid horse-to-horse contact as much as possible.     Ensure hands are sanitized when humans have constant contact with multiple horses.	II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
	Horses should be current on all vaccinations.     Be aware of horses showing signs of illness (non-law and like horse) and law at the second signs of the second	III. Minor/low	High 4	Medium 3	Medium 2	Low 1
	clear nasal discharge, fever, lethargy) and do not transport if signs are present.	IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1
Common Vector Transmitted • All horses on the premises should be vaccinated			Probability tha	t something will ç	ao wrong	
	against equine encephalomyelitis (Eastern [E.E.E.] and Western [W.E.E.]), tetanus,		A Likely to	В	С	D Unlikely to
(Vector = via mosquito, tick, etc.)	influenza, West Nile virus, and (in some cases)	Levels of risk/severity	occur	Probably will occur	May occur	Unlikely to occur
West Nile virus, encephalomyelitis, Lyme disease, equine infectious	rhinopneumonitis.  • Use fly and mosquito spray to try and avoid vectors coming in contact with animals.  • All horses traveling should test negative for EIA, as documented on a current Coggins test.	I. Severe/ critical	High 5	High 5	High 4	Medium 3
anemia.		II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
		III. Minor/low	High 4	Medium 3	Medium 2	Low 1
		IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1
Internal parasites and other	Strip bedding and clean waste from all stalls	125	Probability tha	t something will	go wrong	
nfectious diseases that can be	before and after the event. Properly dispose of		Α	В	С	D
spread through fecal matter.	manure, with disposal areas preferably away from foot or vehicle traffic routes.	Levels of risk/severity	Likely to occur	Probably will occur	May occur	Unlikely to occur
	Clean stalls regularly during the event to prevent any buildup of urine and manure.  Property of the land to be also as a second to be a land t	I. Severe/ critical	High 5	High 5	High 4	Medium 3
	Disposal of stall waste should take place away from barns to prevent the accumulation of flies.	II. Significant/ medium	High 5	High 4	Medium 3	Medium 2
		III. Minor/low	High 4	Medium 3	Medium 2	Low 1
		IV. Insignificant/ very low	Medium 3	Medium 2	Low 1	Low 1

#### **Table 6. General Precautions**

Risk	Prevention and Mitigation	Risk Level				
Severe Weather Strong storms, lightning, and natural disasters.	<ul> <li>Have a severe weather policy defining when to halt activities due to heavy rain, lightning, darkness, etc.</li> <li>Event managers, staff, and volunteers should know who is empowered to implement policy actions.</li> <li>Monitor the progress of storms online and be prepared to act.</li> <li>Make decisions to cancel the event at a time when participants will not already be traveling in unsafe conditions.</li> <li>Similarly, send them home with time to travel before dangerous conditions begin.</li> </ul>	Levels of risk/severity  I. Severe/ critical  II. Significant/ medium  III. Minor/low  IV. Insignificant/ very low	Probability that A Likely to occur High 5 High 4 Medium 3	t something will a B Probably will occur High 5 High 4 Medium 3 Medium 2	Go wrong C May occur High 4 Medium 3 Medium 2 Low 1	D Unlikely to occur  Medium 3  Medium 2  Low 1
Difficult People/Protesters Risks to goodwill/reputation from extremely angry participants/ parents/trainers and from protestors.	All should know who the "go-to" person is for handling confrontations.     Participants should have signed a Code of Conduct agreeing to good sportsmanship and understanding the ramifications of acting otherwise.     Have a plan in place defining when to ask the person to leave and how to do it.	Levels of risk/severity I. Severe/ critical III. Significant/ medium III. Minor/low IV. Insignificant/ very low	Probability that A Likely to occur High 5 High 4 Medium 3	B Probably will occur High 5 High 4 Medium 3 Medium 2	Go wrong C May occur High 4 Medium 3 Medium 2 Low 1	D Unlikely to occur  Medium 3  Medium 2  Low 1  Low 1
Insurance	<ul> <li>All participants should have AIL accident insurance. Check with a 4-H agent to see if additional specific event insurance should be purchased.</li> <li>The facility should have liability insurance. Homeowners should have liability insurance. Most facilities will ask for an additional \$1 million umbrella policy.</li> </ul>					