

Equine Risk-Based Vaccinations

Disease	Acquisition	Mortality Rate	Vaccination Schedule	Additional Boosters	Optimal Vaccination Period	Comments
Anthrax	Acquisition through ingestion, inhalation or contamination of wounds by spores of <i>Bacillus anthracis</i> . Organism has limited geographic distribution as it only survives in alkaline soil.	High	Annually		Consult with Veterinarian	Recommended for horses pastured on alkaline soils.
Botulism	Ingestion or wound contamination by spores of <i>Clostridium botulinum</i> .	High	Annually	4 to 6 weeks pre-partum	Consult with Veterinarian	Recommended for broodmares and foals
Equine Herpesvirus (Rhinopneumonitis)	Respiratory disease caused by a viral infection. Spread by aerosolized secretions from infected horses or contact with nasal secretions or aborted fetuses.	Up to 40% reported in recent outbreaks.	Annually	Six month booster for horses under five, breeding farms, and show horses.	Consult with Veterinarian	Outbreaks can occur in closed populations
Equine Influenza	Highly contagious virus spread by aerosolized droplets dispersed when infected horses cough.	Low	Annually	Six month booster recommended for show and performance horses.	Consult with Veterinarian	Virus undergoes antigenic drifts that decrease immunity.
Equine Viral Arteritis	Direct contact with respiratory secretions from infected horses. Venereal transmission from infected stallions.	Low	Annually (Breeding stock only)		Open mares Stallions: Prior to breeding season	Causes abortion in mares. Can be carried by stallions.
Potomac Horse Fever	Seasonal outbreaks occur from late spring to early fall in certain geographic locations.	5% to 30% in untreated cases	Annually	Six month booster may be recommended regionally.	Prior to anticipated outbreaks.	Not recommended for all horses.
Rotavirus	Diarrhea causing virus affecting foals. Transmission - contact with infected feces.	Low	3 dose series during gestation.		Series to start at 8 months of gestation	Recommended for broodmares
Strangles	Transmitted by direct or indirect contact with infected or carrier horses.	Low	Annually	Six month booster for high-risk horses.	Consult with Veterinarian	Highly contagious