

# Model for Responding to Bioterrorist or Emerging Disease Threat

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<p><b>Detection</b></p> <ul style="list-style-type: none"><li>• Trained Clinical Veterinarians</li><li>• Surveillance Systems</li><li>• Diagnostic Systems</li> <li>• GIS Systems</li><li>• Modeling</li><li>• Animal Identification</li><li>• Animal Tracking<ul style="list-style-type: none"><li>- Transport</li><li>- Sales outlets</li></ul></li></ul>	<p><b>Academic Veterinary Medicine – Teaching, Research, Outreach</b></p> <ul style="list-style-type: none"><li>• Clinicians, Infectious Disease</li><li>• Epidemiology, Infectious Disease</li><li>• Virology, Microbiology, Immunology, Epidemiology, Infectious Disease</li><li>• Epidemiology, Infectious Disease</li><li>• Epidemiology, Infectious Disease</li><li>• Epidemiology, Infectious Disease, Genetics</li></ul>
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## Response

- Regulatory Veterinarians
- Incident Command
  - U.S. Forest Service
    - Coordinating movement of supplies, personnel, mobilization of personnel, etc.*
- Emergency services
  - Law enforcement – FBI, State, Local
  - FEMA
- GIS Tracking
- Quarantine
  - Trained Veterinarians & Law Enforcement
- Onsite training of personnel
  - Veterinarians
  - Translators
- Wildlife Veterinary Specialists
- Diagnostic Systems – Local & Federal

## Academic Veterinary Medicine – Teaching, Research, Outreach

- Epidemiology, Infectious Disease
- Epidemiology, Infectious Disease
- Epidemiology, Infectious Disease
- Continuing Education
- Epidemiology, Infectious Disease, CE
- Wildlife Infectious Disease, Epidemiology
- Microbiology, Virology, Immunology, Epidemiology, Toxicology

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<p><b>Recovery</b></p> <ul style="list-style-type: none"><li>• Regulatory Veterinarians<ul style="list-style-type: none"><li>- Identification of Affected Premises</li><li>- Management Decisions of Animals</li><li>- Indemnity</li><li>- Animal Disposal</li></ul></li><li>• Clinical Veterinarians<ul style="list-style-type: none"><li>- Vaccination/Therapeutics</li><li>- Diagnostic Systems – State/Regional &amp; Federal</li></ul></li></ul>	<p><b>Academic Veterinary Medicine – Teaching, Research, Outreach</b></p> <ul style="list-style-type: none"><li>• Epidemiology, Infectious Disease</li><li>• Epidemiology, Infectious Disease</li><li>• Epidemiology, Infectious Disease</li> <li>• Infectious Disease</li><li>• Infectious Disease</li><li>• Infectious Disease, Pharmacology, Internal Medicine</li><li>• Microbiology, Virology, Immunology, Toxicology, Epidemiology</li></ul>
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## Prevention

- Biosecurity
- Vaccine Strategies
- Animal Identification
- GIS Systems
- Surveillance Systems
- Modeling
- Vaccine Development

## Academic Veterinary Medicine – Teaching, Research, Outreach

- Veterinary Clinicians, CE, Infectious Disease
- Epidemiology, Virology, Bacteriology, Immunology, Clinician
- Genetics
- Epidemiology, Infectious Disease
- Veterinary Diagnostics, Epidemiology
- Epidemiology
- Virology, Bacteriology, Immunology, Pharmacology, Genetics, Molecular Biology, Informatics

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<p><b>Policy</b></p> <ul style="list-style-type: none"><li>• Regulatory Veterinarians</li><li>• Academic Veterinarians - Modeling</li><li>• Scientific Evidence and Understanding of Research Epidemiology</li></ul>	<p><b>Academic Veterinary Medicine – Teaching, Research, Outreach</b></p>
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