

Related activities of the New York Academy of Medicine: Bioterrorism

- Clinician Education on Syndrome Recognition with Columbia University, NYC Dept. of Health and NY State Medical Association.
- Library: resource to clinicians. Alerts to fellows of the Academy.
- NYAM's CDC assignees involved in response to Anthrax in NY Area.
- Population Studies on Psychological Response to Events of September 11th.

Bioterrorism Agents: Category A

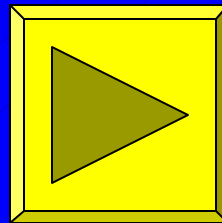
- *Bacillus anthracis*
- *Variola major*
- *Francisella tularensis*
- *Clostridium botulinum*
- Filovirus/
Arenaviruses
- Anthrax
- Smallpox
- Tularemia
- Botulism
- Viral Hemorrhagic Fevers

Bioterrorism Agents: Category B

- *Coxiella burnetti*
- *Brucella* species
- *Burholderia mallei*
- *Ricinus communis*
- *Clostridium perfringens*
- *Staphylococcus*
- Q fever
- Brucellosis
- glanders
- Ricin toxin
- Epsilon toxin
- Staph enterotoxin B

Initial Presentation of Select Bioterrorism Agents Similar

- Anthrax
- Plague
- Brucellosis
- Tularemia
- Q fever
- Glanders
- Smallpox
- Viral Hemorrhagic fevers



fever

headaches

muscle pain

malaise

= “flu-like illness”

Syndromes

- Influenza-like illness
- GI Illness
- Fever and rash
- Neuromuscular illness
- Bleeding diathesis
- Unusual zoonotic in non-endemic areas
- Unusual clinical features

Information Sources

- Clinician case reporting
 - Laboratory reporting
 - Pharmacy reporting
 - Water surveillance
 - Emergency room visits
 - Over the counter medication sales
 - Vulnerable groups (immunocompromised)
 - 911 call system
- *Key is multiple sources

Surveillance

- Goal
- Stage of Natural History
- Timing of Results
- Sensitivity and Specificity
- Plans for Intervention
- Psychological and emotional reactions
- Legal Issues