



# Naval Criminal Investigative Service Field Office Europe

## Bioterrorismo

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# Bioterrorismo

- No person, group, government or country is immune from biological terrorist attack
- The threat of biological terrorist attack induces great fear in population
- Poor man's weapon
- Great deal of technical information available to public

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# Bioterrorismo

- **Biological warfare agents with terrorist use potential**
  - **Anthrax**
  - **Plague**
  - **Smallpox**

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# Bioterrorismo

- **Weaponization of Biological Agents**
  - **Agent Selection**
    - ◆ **Toxicity**
    - ◆ **Availability**
    - ◆ **Infectiousness**
    - ◆ **Ease of production capabilities**

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# Bioterrorismo

- Agent Acquisition

- ◆ Purchase

- Many hazardous substances commercially available

- World Directory of Collections of Cultures of Microorganisms

- ◆ Occur naturally in environment

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# Bioterrorismo

- ◆ Theft

- Large stockpiles worldwide

- ◆ Obtain from government

- 30 countries have mature chemical and biological weapons programs

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# Bioterrorismo

## – Agent Production

- ◆ Too much information on internet
- ◆ Amount of technical knowledge ranges from low to high, depending on agent

– Aum Shinrikyo sarin agent attack in Tokyo subway in 1995

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# Bioterrorismo

- Agent Delivery

- ◆ Considered more difficult for terrorists than production

- ◆ Aerosol containers

- Air sprayer

- Crowd control device

- Agricultural pesticide sprayers

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# Bioterrorismo

## ◆ Projectiles

### – Munitions

- IED or dirty bomb

### – Umbrella attack

- 1978 attempted assassination of Bulgarian defectors, toxin ricin

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# Bioterrorismo

- ◆ Inanimate object
  - Book
- Meteorological conditions at target
  - ◆ Temperature
  - ◆ Wind
  - ◆ Rain

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# Bioterrorismo

- **Results of Bioterrorism**
  - **Death or injury**
  - **Fear**
  - **Expenditure of personnel**
    - ◆ **Medical**
    - ◆ **Law enforcement**
    - ◆ **Intelligence**

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# Bioterrorismo

– Loss of resources

◆ Personnel

– Killed or injured

– Medical

- 1995 Ebola outbreak in Zaire, 92% fatality rate, most were health care workers

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# Bioterrorismo

## ◆ Buildings

- Office where attack occurred
- Hospital where patients went for treatment

## ◆ Food and water supply

- Foot and mouth disease
- February 2002 attempt to poison water supply near U.S. Embassy

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# Bioterrorismo

- ◆ Money

- U.S Congress appropriated \$1,000,000,000 for bioterrorism preparedness

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# Bioterrorismo

- **Pre-Attack Activity--Prevention**
  - **Contact with legitimate suppliers**
    - ◆ **Who is trying to acquire agents, delivery and production systems?**
  - **Is collection violation of law?**

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# Bioterrorismo

- Coordination among intelligence, law enforcement, medical and governmental agencies
- Know what to look for
  - ◆ Aum Shinrikyo production labs
- Searches, arrests

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# Bioterrorismo

- **During Attack**
  - If disease, is outbreak criminal?
    - ◆ Work with medical investigators
  - Collect evidence
    - ◆ Who
      - Special Handling
      - Training

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# Bioterrorismo

- Interview witnesses
- Examine evidence
- **After Attack**
  - Lessons learned
  - Improve problem areas

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# Bioterrorismo

- Governments are not prepared for a large scale bioterrorist attack
- Lack of preparedness will add to confusion and fear
- Many governments are taking steps to address bioterrorist attack issues

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# QUESTIONS?



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