

Ruby Grashan-

1995-99 no

99 - 1st small ants / money

9/11 - 9000 \$/mk

from 11-3 billion

HENDERSON

6-20

Preparing for Terror The U.S. Perspective

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Assumptions

- Need for planning for and development of greatly enhanced systems for dealing with a range of catastrophic events
 - Biological – deliberate and natural
 - Nuclear –
 - Chemical
 - Explosives
 - Major accidents (e.g. plane and train)

State and local authorities

- Speed and effectiveness of detection, diagnosis, response and recovery depend heavily on state and local resources
- Integrated planning required involving civil authority, public health, hospital, law enforcement, voluntary agencies, others
- Limited experience with operations of this type anywhere since perhaps WW II

Public Health

Status as of 2000

- Public health
 - Understaffed and poorly trained
 - Communication with hospitals and legal authorities – almost nil
 - Concept of 24/7 response – unknown
 - Laboratories – limited staff and capability
 - Generally not well-respected by professional community
 - Many units without PC or FAX

Hospitals

Status as of 2000

- A disparate array
 - Private and public hospitals mostly in competition with each other
 - Veterans' Administration and military hospitals operate totally independently
 - Non-government hospitals staffed primarily by private physician-entrepreneurs
- Most are financially stressed and operating at close to full capacity

Existing resources (2000) in medicine and public health

- Management of emergencies
 - Local/regional emergency management groups
 - Poison Control Centers
 - (Hazardous material teams)
- Metropolitan Medical Strike Teams
 - 1995-2000-- Depts. of Defense and Justice
- Effectively no program in Dept of Health and Human Services or academic health centers

Priorities

- "Events that could threaten the integrity of civil government"
 - Biological
 - Nuclear
 - Chemical
 - Explosives, guns
- Program goal --To ensure sustained public health and medical readiness for:
 - Bioterrorism
 - Infectious disease outbreaks
 - Other public health threats and emergencies

Organisms of greatest concern

- The "Class A" group
 - Smallpox Tularemia
 - Anthrax Botulinum Toxin
 - Plague Hemorrhagic fevers

Strategic needs -- smallpox

- Vaccine
 - Stored calf lymph vaccine --100 mil. doses
 - New, tissue culture vaccine--206 mil. Doses
 - Vaccinia immune globulin
 - Second generation smallpox vaccines
 - Bifurcated needles
- Hospitals
 - Negative pressure rooms in all Hrs
 - Negative pressure rooms for 500+ patients in each hospital region

Strategic needs --Anthrax

- Vaccine
 - Traditional vaccine--post-exposure Rx
 - Second generation vaccine, possibly for very large scale use
- Antibiotics -- to treat 20 million persons for 60 days
- Ventilators

Strategic needs --others

- Vaccines
 - Development of vaccines for each of the other agents--lab use primarily
- Antitoxin
 - Botulinum toxin Rx
- Antibiotics
 - Quantities ordered primarily for anthrax would cover needs for plague and tularemia
- Ventilators
 - Those needed for anthrax could be used for Botulinum toxin poisoning

Other special provisions

- 12 emergency stockpiles able to be delivered anywhere within 12 hours
- Emergency epidemiological staff- CDC
- Special teams able to be mobilized --medical, mortuary, veterinary
- Laboratory network (100+) trained to identify 5 of the 6 Class A agents
- Comprehensive R & D program involving private sector, academia and government

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Surveillance

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