

Date	Jul 16 2002
Author	DA Henderson
Title	What worries me most about bioterrorism
Event	Senior staff
Event Sponsor	Central Intelligence Agency (CIA)
Event location	Langley VA
Notes	
Publ as	

CIA 16 July

Topic reasonable but difficult to respond to

? learn from SE -

Spicidly

So what does worry me the most - no press here, as for.

Office of P.H.E.P. - concern for all possible weapons
Bioscience Chem/Nuclear and Biol.

Study of reactions of people - chem, nuclear.

Anthropo count - 140000's of specimens across the country.
Gas mask large. Ciprofloxacin.

Plague outbreak in India 50000 people
50% evacuated.

Our office - focus on biological - [Stx] - [Antimicrob]

\$3 billion - up from \$300 What have we done
OVER \$1 billion in stocks.

- Communication system 24/7 ER/health dept./feds./labs.
- 80 → 150 labs. - lab network
- Hospitals - Reg. plan 4500 patients
- Comm. - Organ. & distribute vaccine or AB to pop. in 5 days
- Push packs
- Vaccines

OVERHEADS / What needs to be done - vast educ. campaign.

How successful will we be?

There will be panic. - one outbreak

Can we respond adequately hot's to realistic.

Anthropo - a different problem

One office building - (push packs)

What can we do antibiotics 400 days / linked

Vaccine - 2nd generation

You will be interested
our perspective they
are struggling with
no ill - spx

2nd set of overheads only - Turner.

We are way behind the curve in dealing with Biot.

• Nixon - Lung and Bronchitis

120 cities and fast responders

primary training chemical and explosives

No idea that physicians in hospitals have to be involved

• President's plan for Dept of H.S.

"1st responders"

words - epidemic, M.D., Hospital,

biological weapons, do not appear

• Look in academia

Characteristics of chemical and explosive event
Know the worst $\rightarrow$ recovery
Epidemic $\rightarrow$ recovery
Last epidemic 1918 - flu.

BW goes, by far, the most serious and destabilizing challenge.
But limited knowledge of true potential

- BW a taboo subject - 0 in academia
- Explosive is most important disease - 0

Product - an epidemic

- + 0 in HHS - 0 in personal until late 1990s
- + 0 in NIH
- + 0 in CDC

Unknown and I know how many staff. Low much expertise
was what in the Philippine community.

VOID FILLED
BY PHYSICISTS
ARMY CONTROL
MILITARY
DRAFT
FEMA WOULD STOP

Characteristics

+ SENSOR SYSTEMS (Mitro Committee +)
More entertaining than meaningful
DTRA now about to launch a new program
incorporating every extant system for torting purposes.
The Stand-off detection model - for the field
in 2 or 3 or 8 cities. \$1000 of millions.

+ MODELING EXERCISES

Mostly physicists + mathematicians & time available + computer power.

Ill. - very elaborate model of how a deployed intelligence -
based on 1972 Yargo. + 1963 Swedish outbreak
of 3 hrs -

KAPLAN model from Yale - laughably wrong.

the Public Health for reproduction of new modeling
groups is decreasing by 50% every 6 months.
They are close to reaching endemic levels

+ SURVEILLANCE - "DATA MINING"

Syndromic surveillance - can detect flu elementary school absenteeism.

Drug usage - Milwaukee

911 calls of anomalies -

How do we discover epidemics -

~~Check this~~

+ What do we know about BW in other countries Not much

Production -

Signature -

Exporters - no. / from where.

Transportability

Unique equipment.

To return to what I am most worried about - biological weapons
(genetically modified)

Not a matter of if but when

Can we really cope under the best of circumstances

with

~~anthrax outbreak - one building = 100 cases (not erg dust)~~

~~How do we ~~stop~~ clean a building~~

~~Human reaction - Anth vs. CW or nuclear.~~

~~Sanitizing - one small role in the airport. DOESN'T NEED TO BELIEVE.~~

~~"Real and suspect" cases every where. → Demand for vaccine~~

~~We saw the impact with a very small anthrax outbreak last autumn.~~

What do we need? Intelligence and the potential for

interdiction before something happens.

~~How?~~ How? - Argument. Biologists talk

Not just talk how many are working in the area.

Need for those in the field to know biology - to be able to ask the questions. ? DATA MINING ?