



I
N
T
E
R
P
O
L



2008

INTELLIGENCE INDICATORS OF BIOTERRORISM



I
N
T
E
R
P
O
L



2008

Learning Objectives

- Understand the definition of intelligence
- Understanding the Bioterrorist cycle to identify potential points for interdiction
- Identify potential indicators of bioterrorism
- Identify potential suspicious behaviour



I
N
T
E
R
P
O
L



2008

Intelligence

- Intelligence is **adding value** to information through **analysis** to provide **insight** and **influence decision making**



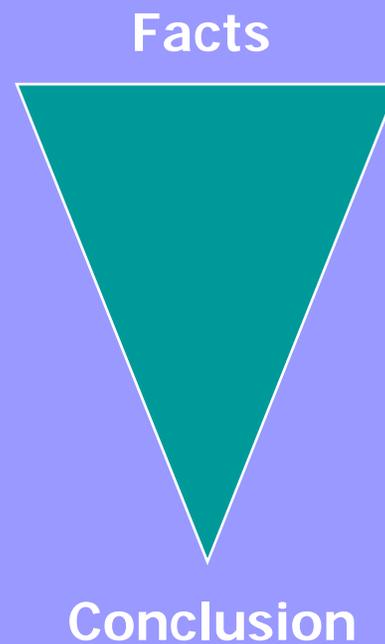
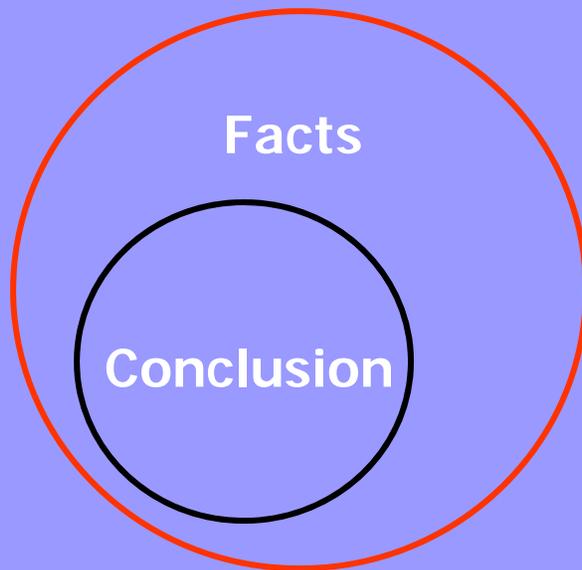
I
N
T
E
R
P
O
L



2008

Deductive Reasoning

- All the facts put together to form a conclusion



Sherlock Holmes



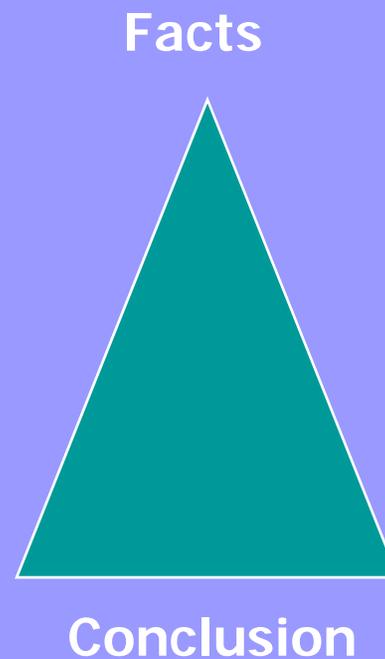
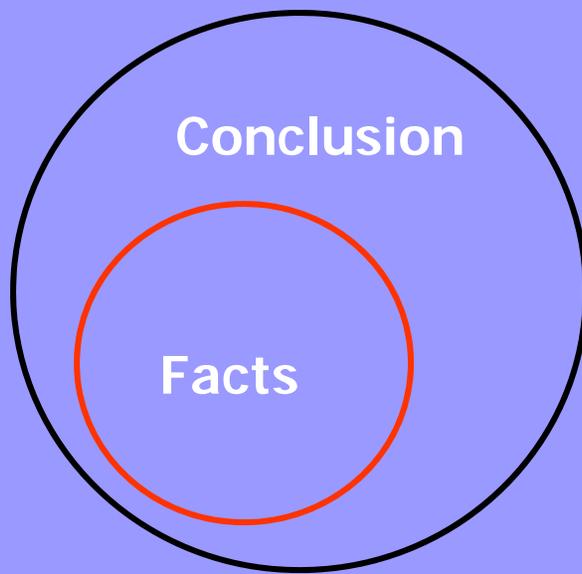
I
N
T
E
R
P
O
L



2008

Inductive Reasoning

- Making a conclusion when not all the facts are known
 - Intelligence



007 Bond James Bond



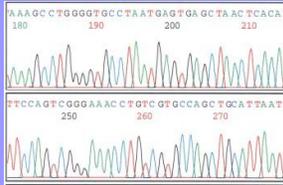
I
N
T
E
R
P
O
L



2008

Forensic Intelligence

Forensic



Technical Information

about ISID | membership | programs | publications | resources | 13th ICID | site map

INTERNATIONAL SOCIETY FOR INFECTIOUS DISEASES

ProMED-mail

The global electronic reporting system for outbreaks of emerging infectious diseases & toxins, open to all sources. ProMED-mail, the Program for Monitoring Emerging Diseases, is a program of the International Society for Infectious Diseases.

NCBI

PubMed

A service of the U.S. National Library of Medicine and the National Institutes of Health

www.pubmed.gov

All Databases PubMed Nucleotide Protein Genome Structure OMIM

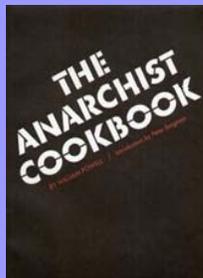
NCBI

Entrez PubMed Nucleotide Protein

Taxonomy Browser

Analysis

Forensic Intelligence



Technical Intelligence

UNCLASSIFIED | RELEASABLE TO X

AFP AUSTRALIAN FEDERAL POLICE

AUSTRALIAN CBRN DATA CENTRE

Technical Intelligence Assessment

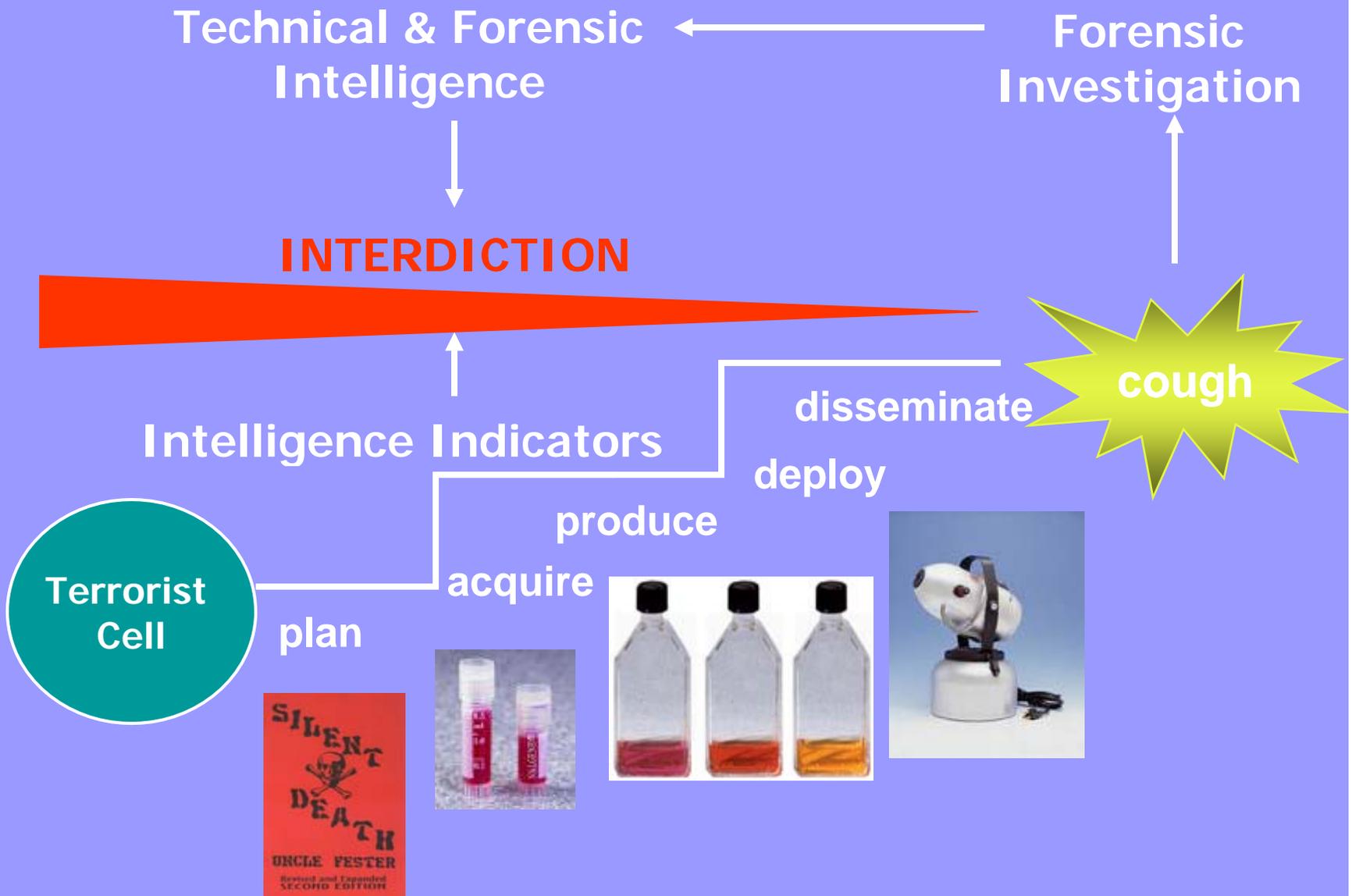


I
N
T
E
R
P
O
L



2008

Bioterrorist Intelligence Cycle





I
N
T
E
R
P
O
L



2008

Intelligence Indicators

- May be difficult to detect preparation
- Will almost never advertise their intent
- Unlikely to claim responsibility
- Maybe indicators of planning, acquisition, suspicious behaviour production and dissemination



Shoko Asahara



Bruce Ivins



Bhagwan Shree Rajneesh



I
N
T
E
R
P
O
L



2008

Indicators of Planning

- Terrorist organization recruiting educated people from universities/ hospitals/ laboratories
- Connections of terrorists with biological laboratories
- Interest in laboratory holding biological agents





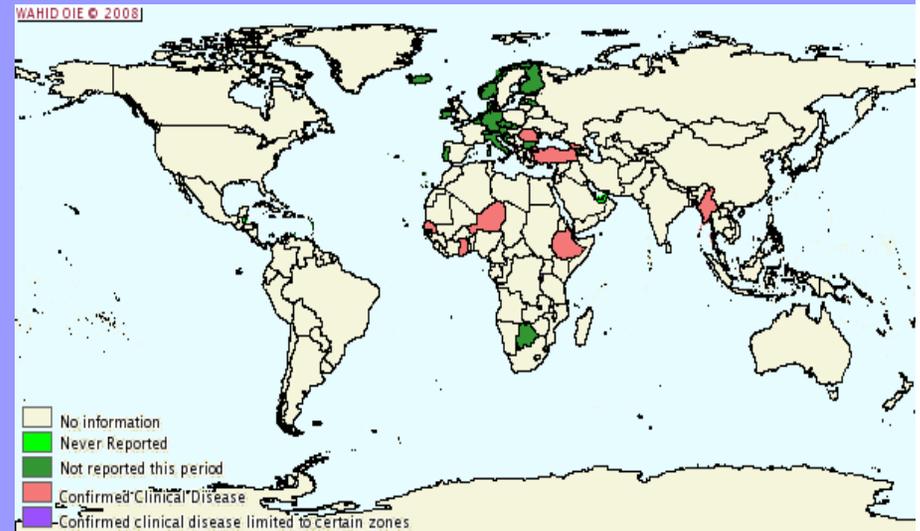
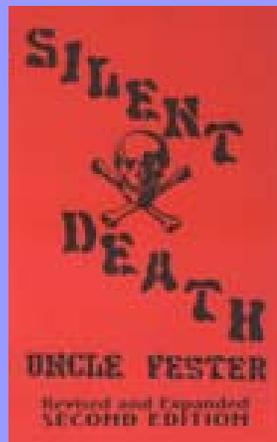
I
N
T
E
R
P
O
L



2008

Indicators of Planning

- Interest in disease endemic areas or disease outbreaks
- Interest in extremist literature (e.g. "Silent Death")
- Recovery of periodicals, instruction manuals or web resources providing biological agent production recipes





I
N
T
E
R
P
O
L



2008

Indicators of Acquisition

- Diversion of transported material
- Purchase of plants or seeds known to be sources of toxins
- Acquired from nature/environment
 - Suspicious behaviour in disease endemic areas





Indicators of Acquisition

- Fraudulent acquisition from commercial supplier
- Theft or acquisition of lab equipment
- Stolen from legitimate holding (e.g. laboratory)
 - Suspicious behaviour in the laboratory





Suspicious Behaviour

- Suspicious behaviour may be the best indicator of planning of a bioterrorist event
- Suspicious behaviour in an individual or group is that which appears unusual or out of the ordinary
 - Subjective and relies on judgement and circumstances.
 - 'gut feeling' that something is wrong
- No definitive indicators of suspicious behaviour
- Suspicious behaviour could be from an outsider or from a trusted insider





I
N
T
E
R
P
O
L



2008

Suspicious Behaviour

■ Outsider

- Suspicious or unusual interested in facilities housing biological agents
- Suspicious people loitering outside facilities housing biological agents – taking notes, photos, or drawings (surveillance)
- Breaches in security
- Attempts to acquire access passes, key codes or other access or identifying documents off staff working at facilities housing biological agents





I
N
T
E
R
P
O
L



2008

Suspicious Behaviour

- **Trusted insider**
 - Change in political, religious or social ideology, particularly if accompanied by a changing attitude towards violence
 - Unexplained periods of absenteeism
 - Dramatic change in appearance
 - Becoming withdrawn or unwilling to socialise
 - Becoming furtive, secretive or excessively anxious or suspicious
 - Sudden change in financial status, such as coming into a lot of money



I
N
T
E
R
P
O
L



2008

Suspicious Behaviour

- **Trusted insider, cont**
 - Desire to work alone or outside regular working hour, without explanation
 - Interest in working outside usual role to gain access to biological agents
 - Interest in security of facilities
 - Downloading technical information on biological agents not relating to work
 - Evidence of record tampering or covering-up action





I
N
T
E
R
P
O
L



2008

Suspicious Behaviour

■ Contributing Factors

■ Health crisis

- serious illness, alcoholism, drug habit or depression

■ Financial crisis

- Loss of income, serious gambling habit or debts





I
N
T
E
R
P
O
L



2008

Suspicious Behaviour

- **Contributing Factors**
 - Group/social circumstances
 - Belonging to extremist group or gang or having ties to such groups
 - Underlying mental health conditions
 - Subtle individual factors
 - Low self-esteem, attraction to violence or feeling of persecution



Indicators of Production

- Modification of premises (e.g. taped windows, modification of ventilation systems)
- Possession of protective clothing, respirators or masks
- Unusual or suspicious purchase/possession of:
 - Vaccines or antibiotics
 - Antiseptics (bleach)
 - Laboratory animals





I
N
T
E
R
P
O
L



2008

Indicators of Dissemination

- Recovery of dissemination devices or evidence of acquisition of dissemination devices
- Small scale "trial" attack
- Unusual or suspicious dead animals
- Presentation of people with atypical symptoms or clusters of people with unusual epidemiology at health care facilities





I
N
T
E
R
P
O
L



2008

Summary

- Intelligence adds value to information
 - Inductive reasoning
- Suspicious behaviour
 - Trusted insider or breach from an outsider

