

BIOTERRORISM INFORMATION RESOURCES

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Presented at:

“THINKING THE UNTHINKABLE—
BIOCHEMICAL TERRORISM AND DISASTERS:
Information Resources for Medical Librarians”

Health Research and Educational Trust of New Jersey
New Jersey Hospital Association
Middle Atlantic Region, National Network of Libraries of Medicine (NN/LM)

Princeton, New Jersey
December 5, 2001

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Now more than ever, current, reliable information on bioterrorism, weapons of mass destruction, biological agents and defenses against them is critical, not only for research purposes, but also for the public's health. The CDC Information Center provides the CDC staff of epidemiologists, microbiologists, pathologists, health educators, and other scientists, as well as the greater public health community with this critical information. The following list is a selection of current, reliable sources of information on bioterrorism as judged by the CDC Information Center staff.

First, some definitions of terms from the *Department of Defense Dictionary of Military and Associated Terms* available at:
www.dtic.mil/doctrine/jel/new_pubs/jp1_02.pdf

biological agent

Definition: (DOD) A microorganism that causes disease in personnel, plants, or animals or causes the deterioration of materiel. See also biological operation; biological weapon; chemical agent.

biological defense

Definition: (DOD, NATO) The methods, plans, and procedures involved in establishing and executing defensive measures against attacks using biological agents.

biological threat

Definition: (DOD) A threat that consists of biological material planned to be deployed to produce casualties in personnel or animals and damage plants or other materiel. See also biological agent; biological ammunition; biological defense; biological environment; chemical, biological, and radiological operation; contamination; contamination control.

biological warfare/biological operation

Definition: (DOD) Employment of biological agents to produce casualties in personnel or animals or damage to plants.

bioterrorism

Definition: (MESH) The use of biological agents in terrorism. This includes the malevolent use of bacteria, viruses, or toxins against people, animals, or plants.

terrorism

Definition: (MESH) The use of force or violence against persons or property in violation of criminal laws for purposes of intimidation, coercion, or ransom.

weapons of mass destruction

Definition: (DOD) In arms control usage, weapons that are capable of a high order of destruction and/or of being used in such a manner as to destroy large numbers of people. Can be nuclear, chemical, biological, and radiological weapons, but excludes the means of transporting or propelling the weapon where such means is a separable and divisible part of the weapon. Also called WMD.

The following Web sites contain information about bioterrorism:

U.S. Federal Government Sources:**CDC:**

<http://www.bt.cdc.gov> - the Centers for Disease Control & Prevention

<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr4904a1.htm> bioterrorism: public health emergency preparedness & response
http://www.bt.cdc.gov/DocumentsAPP/facts_about.pdf - facts about: anthrax, botulism, pneumonic plague, smallpox
<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr4904a1.htm> bioterrorism strategic plan
<http://www.cdc.gov/mmwr/PDF/wk/mm4804.pdf> bioterrorism guidelines
<http://www.cdc.gov/mmwr/PDF/rr/rr4915.pdf> anthrax vaccine
http://www.sph.unc.edu/about/webcasts/bioter_10-18_stream1.htm anthrax: what every clinician should know – CDC Webcast
<http://www.cdc.gov/nip/publications/VIS/vis-anthrax.pdf> anthrax vaccine
<http://www.cdc.gov/nceh/nps/default.htm> National Pharmaceutical Stockpile
<http://www.phppo.cdc.gov/nltm/btp.asp> Resources addressing bioterrorism preparedness

Other U.S. Federal Government Sources:

<http://www.nlm.nih.gov/medlineplus/biologicalandchemicalweapons.html> - the National Library of Medicine
<http://www.ahrq.gov> Agency for Healthcare Research and Quality (AHRQ)
<http://www.ahrq.gov/research/bioterr.htm> AHRQ responding to bioterrorism
<http://www.usda.gov/special/biosecurity/safeguard.htm> USDA - food security
<http://www.fema.gov/> FEMA
http://www.healthfinder.gov/anthrax_bioterrorism.htm Healthfinder
<http://www.fda.gov/cber/faq/cntrbfaq.htm> FDA
<http://www.usps.com/news/2001/press/serviceupdates.htm> U. S. Postal Service
<http://www.hhs.gov/hottopics/healing/biological.html> Department of Health and Human Services
<http://www.usdoj.gov/> Department of Justice
<http://www.fbi.gov/pressrel/attack/attacks.htm> the FBI is the lead agency in a bioterrorism event
http://firstgov.gov/featured/usgresponse.html?ssid=1004388686307_172 FirstGov
<http://www.whitehouse.gov/homeland/> Office of Homeland Security
<http://www.cia.gov/terrorism/index.html> CIA
<http://www.ndpo.gov> National Domestic Preparedness Office: the clearinghouse for state, local and federal seapons of mass destruction information and assistance.
<http://purl.access.gpo.gov/GPO/LPS16042> Bioterrorism federal research preparedness activities: report to the congressional committees.

Current Legislation:

http://www.access.gpo.gov/su_docs/index.html 107th Congress H.R. 3310, H.R. 3255, S. 1715, S. 1548

U.S. Military:

<http://www.anthrax.osd.mil/> DOD

http://www.dtra.mil/cb/cb_index.html Defense Threat Reduction Agency

<http://www.usamriid.army.mil/links/bdr.htm> USAMRIID

<http://www.usamriid.army.mil/education/bluebook.html> USAMRIID's Medical Management of Biological Casualties Handbook

<http://biomedtraining.org/> U.S. Army Medical Command - taped Webcast will be re-broadcast on Dec. 8-9, 2001

<http://www.au.af.mil/au/awc/awcgate/cps-bio.htm> U.S. Air Force Counterproliferation Center: Biological Page

Non-governmental organizations and educational and research institutions:

<http://www.homelandsecurity.org/index.cfm> Homeland Security Organization

<http://www.who.int/home-page/> World Health Organization

<http://www.who.int/emc/deliberate%5Fepi.html> WHO Health aspects of biological and chemical weapons

<http://www.who.int/emc/faqanthrax.html> WHO guidance on anthrax

<http://cns.miis.edu/research/cbw/> Center for Non-Proliferation Studies

<http://www.humanitarian.net/biodefense> Humanitarian Resources Institute

<http://www.hopkins-biodefense.org/> Johns Hopkins

<http://www.aafp.org/hssa/biochem/> American Academy of Family Physicians – free CME credit!

<http://www.bioterrorism.uab.edu/EmergingInfections/emerginginfections.htm>

UAB

http://www.wml.com/video_lib/bioterror.jsp?uid=main World Medical Leaders (requires membership for CME)

<http://www.ama-assn.org/ama/pub/category/6671.html> AMA index to bioterrorism info

<http://www.louisville.edu/medschool/cme/bioterrorism102301.html> University of Louisville School of Medicine video lectures

<http://www.netce.com/> <http://www.netce.com/course.asp?course=2100> CME Resource

<http://www.aamc.org/members/bioterrorism/> Association of American Medical Colleges

<http://www.aapa.org/clinissues/BTtext.htm> American Academy of Physician Assistants

<http://www.acponline.org/bioterro/?chapinc> American College of Physicians/American Society of Internal Medicine

<http://www.medicalcomputingtoday.com/0listbioterror.html> Medical Computing Today - Bioterrorism Resources for Physicians

<http://acep.org/1,4634,0.html> American College of Emergency Physicians
<http://www.uptodate.com/topics/anthrax/topics/16181K1.htm> UpToDate includes handy tables
<http://id.medscape.com/Medscape/features/ResourceCenter/BioTerr/public/RC-index-BioTerr.html> Medscape resources center

Selected State and local health departments:

<http://www.dhs.ca.gov/bioterrorism/> California
<http://www.state.in.us/isdh/healthinfo/bioterrorism.htm> Indiana
<http://www.kdhe.state.ks.us/han/bioterror.html> Kansas
<http://www.dhmh.state.md.us/phdsec/html/phalert.htm> Maryland
<http://www.health.state.mn.us/bioterrorism/> Minnesota
<http://www.state.nj.us/health/er/biofs.htm> New Jersey
<http://www.health.state.ny.us/nysdoh/bt/bt.htm> New York
<http://www.ci.nyc.ny.us/html/doh/html/cd/wtc8.html> New York City
<http://www.ohd.hr.state.or.us/acd/bioterr/facts.htm> Oregon
<http://www.metrokc.gov/health/bioterrorism/> Seattle & King County
<http://www.state.tn.us/health/CEDS/bioterrorism.htm> Tennessee
<http://www.tdh.state.tx.us/bioterrorism/default.htm> Texas
http://www.dhfs.state.wi.us/dph_bcd/Bioterrorism/ Wisconsin
<http://www.cdc.gov/other.htm> - a more complete list of state and local health departments can be found here

Background reports:

<http://micro.annualreviews.org/cgi/content/full/55/1/235> Annual Review of microbiology article by Hawley
<http://www.stimson.org/cwc/ataxia.htm> The Henry L. Stimson Center
Heinrich, Janet.
Bioterrorism: public health and medical preparedness: statement of Janet Heinrich...before the Subcommittee on Public Health, Committee on Health, Education, Labor, and Pensions, United States Senate.
Washington, D.C. : U.S. General Accounting Office <http://www.gao.gov> 2001.
<http://howstuffworks.com/biochem-war.htm> How biological and chemical warfare works.
Osterholm, Michael T.; Schwartz, John.
Living terrors: what America needs to know to survive the coming bio-terrorist catastrophe. Delacorte Press : New York, 2001.
Carus, W. Seth.
Biological warfare threats in perspective. Brookings Institution Report: 32502
<http://www.brook.edu>
Rosen, Peter ; Manning, Frederick J.

Improving civilian medical response to chemical or biological terrorist incidents – interim report on current capabilities.

<http://bob.nap.edu/books/NI000850/html/index.html>

Rega, Paul.

Bio-Terry: a stat manual to help identify and treat diseases of biological terrorism.

MASCAP, INC. : Maumee, Ohio, 2001 revision.

Nass, Meryl.

Anthrax: a practical guide for citizens: what you should know, what you can do, & how it came to this; a compilation of public materials intended to serve as a practical citizen's guide. Harvard Perspective Press: Belmont, Mass., 2001.

Layne, Scott P. ; Beugelsdijk, Tony J; Patel, C. Kumar

Firepower in the lab; automation in the fight against infectious diseases and bioterrorism. Joseph Henry Press : Washington, D.C., 2001.

Consensus Statements published in JAMA and available at

<http://www.jama.ama-assn.org>:

Tularemia as a Biological Weapon, 6 Jun 2001, Vol. 285, No. 21, 2763

Plague as a Biological Weapon, 3 May 2000, Vol. 283, No. 17, 2281

Smallpox as a Biological Weapon, 9 Jun 1999, Vol. 281, No. 22, 2127

Botulinum as a Biological Weapon, 28 Feb 2000, Vol. 285, No. 8, 1059

Anthrax as a Biological Weapon, 12 May 2000, Vol. 281, No. 18, 1735

Portals:

<http://www.freepint.com/gary/bioterror.html> Gary Price's Anthrax and bioterrorism webliography

<http://sivut.koti.soon.fi/humppta/bookmarks/> Tarmo Humppi from Finland created this portal

Search hedge:

PubMed – <http://www.ncbi.nlm.nih.gov/entrez>

bioterrorism[MESH] OR “Biological Warfare”[MESH] OR “Chemical Warfare”[MESH] OR “Chemical Warfare Agents”[MESH] or “weapons of mass destruction” or bioterroris* or agroterroris*

Selected review articles:

1: Khan AS, Swerdlow DL, Juranek DD.

Precautions against biological and chemical terrorism directed at food and water supplies.

Public Health Rep. 2001 Jan-Feb;116(1):3-14. Review.

PMID: 11571403

2: Klietmann WF, Ruoff KL.

Bioterrorism: implications for the clinical microbiologist.

Clin Microbiol Rev. 2001 Apr;14(2):364-81. Review.

PMID: 11292643

3: Simon JD.

Nuclear, biological, and chemical terrorism: understanding the threat and designing responses.

Int J Emerg Ment Health. 1999 Spring;1(2):81-9. Review. PMID: 11227745

4: Fine A, Layton M.

Lessons from the West Nile viral encephalitis outbreak in New York City, 1999: implications for bioterrorism preparedness.

Clin Infect Dis. 2001 Jan 15;32(2):277-82. Review.

PMID: 11170918

5: Cieslak TJ, Eitzen EM Jr.

Bioterrorism: agents of concern.

J Public Health Manag Pract. 2000 Jul;6(4):19-29. Review.

PMID: 10977609

6: Karalliedde L, Wheeler H, Maclehorse R, Murray V.

Possible immediate and long-term health effects following exposure to chemical warfare agents.

Public Health. 2000 Jul;114(4):238-48. Review.

PMID: 10962584

7: Bradley RN.

Health care facility preparation for weapons of mass destruction.

Prehosp Emerg Care. 2000 Jul-Sep;4(3):261-9. Review.

PMID: 10895923

8: Cieslak TJ, Christopher GW, Kortepeter MG, Rowe JR, Pavlin JA, Culpepper RC,

Eitzen EM Jr.

Immunization against potential biological warfare agents.

Clin Infect Dis. 2000 Jun;30(6):843-50. Review.

PMID: 10880299

9: van Bredow J, Myers M, Wagner D, Valdes JJ, Loomis L, Zamani K.

Agroterrorism. Agricultural infrastructure vulnerability.

Ann N Y Acad Sci. 1999;894:168-80. Review.

PMID: 10681987

10: Leggiadro RJ.

The threat of biological terrorism: a public health and infection control reality.

Infect Control Hosp Epidemiol. 2000 Jan;21(1):53-6. Review.

PMID: 10656359

11: Stossel, Sage.

Flashbacks: infectious terrorism

<http://www.theatlantic.com/unbound/flashbks/bioterror.htm>

12: Marty, Aileen M. Laboratory aspects of biowarfare.

Clinics in Laboratory Medicine, vol. 21, no. 3, 2001.

13: Heinrich, Janet.

Bioterrorism: public health and medical preparedness: statement of Janet Heinrich...before the Subcommittee on Public Health, Committee on Health, Education, Labor, and Pensions, United States Senate.

2001. Washington, D.C. : U.S. General Accounting Office <http://www.gao.gov>