Counter Terrorism Operational Program

Student Handout
### Biological Agent Reference Chart

<table>
<thead>
<tr>
<th>Agent</th>
<th>Persistency</th>
<th>Dissemination</th>
<th>Transmission (person to person)</th>
<th>Incubation</th>
<th>Lethality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthrax</td>
<td>Spores remain viable in soil for years</td>
<td>Spores in aerosol</td>
<td>No (except cutaneous)</td>
<td>1-5 days</td>
<td>High</td>
</tr>
<tr>
<td>Cholera</td>
<td>Unstable in aerosols and water</td>
<td>Ingestion and aerosol</td>
<td>Rare</td>
<td>12 hours to 6 days</td>
<td>Low with treatment</td>
</tr>
<tr>
<td>Plague</td>
<td>1 year in soil; 270 days in bodies</td>
<td>Aerosol</td>
<td>High</td>
<td>1-3 days</td>
<td>High if untreated</td>
</tr>
<tr>
<td>Tularemia</td>
<td>Months in moist soil</td>
<td>Aerosol</td>
<td>No</td>
<td>1-10 days</td>
<td>Moderate if untreated</td>
</tr>
<tr>
<td>Q Fever</td>
<td>Months</td>
<td>Ingestion and aerosol</td>
<td>Rare</td>
<td>14-16 days</td>
<td>Very low</td>
</tr>
<tr>
<td>Smallpox</td>
<td>Very stable</td>
<td>Aerosol</td>
<td>High</td>
<td>10-12 days</td>
<td>Low</td>
</tr>
<tr>
<td>VEE</td>
<td>Unstable</td>
<td>Aerosol and infected vectors</td>
<td>Low</td>
<td>1-6 days</td>
<td>Low</td>
</tr>
<tr>
<td>Ebola</td>
<td>Unstable</td>
<td>Contact and aerosol</td>
<td>Moderate</td>
<td>4-16 days</td>
<td>Moderate to high</td>
</tr>
<tr>
<td>Botulinum Toxin</td>
<td>Weeks</td>
<td>Ingestion and aerosol</td>
<td>No</td>
<td>Hours to days</td>
<td>High</td>
</tr>
<tr>
<td>T-2 Mycotoxins</td>
<td>Years</td>
<td>Ingestion and aerosol</td>
<td>No</td>
<td>2-4 hours</td>
<td>Moderate</td>
</tr>
<tr>
<td>Ricin</td>
<td>Stable</td>
<td>Ingestion and aerosol</td>
<td>No</td>
<td>Hours to days</td>
<td>High</td>
</tr>
<tr>
<td>Staphylococcal Enterotoxin B</td>
<td>Resistant to freezing</td>
<td>Ingestion and aerosol</td>
<td>No</td>
<td>Hours</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>
### Massachusetts Chemical/Radiological/Biological Incident Response Activation Levels

<table>
<thead>
<tr>
<th>Tier</th>
<th>Response</th>
<th>Situation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TOMs Unit (ORU Optional) (5 Techs)</td>
<td>Hazard &amp; Risk Assessment or Suspicious Substance Investigation</td>
</tr>
<tr>
<td>2</td>
<td>TOMs Unit &amp; ORU (1/2 Team)</td>
<td>Short Term Entry Operation</td>
</tr>
<tr>
<td>3</td>
<td>TOMs Unit &amp; ORU (Optional Team)</td>
<td>Long Term and/or Immediate Life Safety Risk</td>
</tr>
<tr>
<td>4</td>
<td>Multi-Team</td>
<td>Major Release or Extended Operation</td>
</tr>
<tr>
<td>5</td>
<td>Full Hazmat System, plus Bomb Squad and CST activated</td>
<td>WMD or Mass Casualty</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Level</th>
<th>Response</th>
<th>Situation</th>
<th>State Hazmat Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass Decon A</td>
<td>I/C requests specific MDUs (deployment not pre-planned)</td>
<td>Limited/controlled event.</td>
<td>Tier 3</td>
</tr>
<tr>
<td>Mass Decon B</td>
<td>1-2 District MDUs to Scene &amp; MDUs to local hospitals</td>
<td>Moderate; single facility limited occupancy (office building)</td>
<td>Tier 3</td>
</tr>
<tr>
<td>Mass Decon C</td>
<td>5-7 MDUs to scene &amp; hospitals in effected &amp; surrounding fire districts covered by MDUs</td>
<td>Major; Shopping Mall, Public Arena or multiple buildings</td>
<td>Tier 5</td>
</tr>
<tr>
<td>Mass Decon D</td>
<td>Up to 17 District MDUs to scene. Most hospitals in the state covered by MDUs</td>
<td>Extreme; Wide geographic area or major event</td>
<td>Tier 5</td>
</tr>
</tbody>
</table>
Resource Listings-Page 1 of 4

http://www.splcenter.org

https://emergency.cdc.gov/bioterrorism/

https://www.cdc.gov/vhf/index.html

http://www.nationalterroralert.com/

http://www.us-cert.gov/

http://cve.mitre.org/

http://www.state.gov/

http://www.fbi.gov/

http://english.aljazeera.net

http://www.msisac.org/

http://www.intelcenter.com/

http://www.tsa.gov/

http://www.usamriid.army.mil/


http://www.dhs.gov/index.shtm

https://www.iad.gov/ioss/
http://www.ahrq.gov/


http://www.fas.org/main/home.jsp

http://www.pbs.org/wgbh/pages/frontline/shows/knew/

http://www.elenafilatova.com/

http://www.homeland1.com/


http://www.remm.nlm.gov/nuclearexplosion.htm

http://www.tswg.gov/


http://www.atsdr.cdc.gov/

http://www.dhs.gov/xabout/structure/gc_1220886590914.shtm

http://www.epa.gov/radiation/


https://www.hsl.org/?abstract&did=789035&fromemail=1

http://www.dhs.gov/chemical-facility-anti-terrorism-standards

http://getlinkinfo.com/

http://www.phmsa.dot.gov/hazmat/erg-mobile-app

https://www.remm.nlm.gov/downloadmremsm.htm

https://wiser.nlm.nih.gov/choose_platform.html

https://cameochemicals.noaa.gov/


http://www.spoke.com/
Reading List

The Man Who Warned America: The Life and Death of John O'Neil, the FBI's Embattled Counterterror Warrior (Hardcover) by Murray Weiss

Inside the Red Zone: by Igor V. Shafhid, June Summers

The Hot Zone: A Terrifying True Story (Mass Market Paperback) The Demon in the Freezer: A True Story (Hardcover) By Richard Preston

Germs: Biological Weapons and America's Secret War (Paperback) by Judith Miller, William Broad, and Stephen Engelberg

Biohazard: The Chilling True Story of the Largest Covert Biological Weapons Program in the World—Told from Inside by the Man Who Ran It (Paperback) by Ken Alibek, Stephen Handelman

The Clash of Civilizations and the Remaking of World Order (Paperback) by Samuel P. Huntington

Through Our Enemies' Eyes: Osama Bin Laden, Radical Islam & the Future of America (Paperback) by Michael Scheuer

Imperial Hubris: Why the West is Losing the War on Terror (Hardcover) by Michael Scheuer

The Crisis of Islam: Holy War and Unholy Terror (Hardcover) by Bernard Lewis

Lab 257: The Disturbing Story of the Government's Secret Plum Island Germ Laboratory (Hardcover) by Michael C. Carroll

Hot Zone Forensics (Hardcover) by Steven C. Drielak

Lone Wolf: Eric Rudolph: Murder, Myth, and the Pursuit of an American Outlaw (Hardcover) by Maryanne Volumes

The Suicide of Reason: by Lee Harris (Hardcover)

One Second After: by William R. Forstchen

United States of Jihad: Investigating America's Homegrown Terrorists: by Peter Bergen

Defeating Jihad: The Winnable War Hardcover — April 11, 2016 by Sebastian Gorka