

Category A Bioterrorism Agents

Agents	Signs/Symptoms	Incubation Period	Duration of Illness	Vaccine	Treatment	Prophylaxis	Isolation Decontamination
Bacterial							
Anthrax: Cultaneous Anthrax: Ingestion Anthrax: Inhalation	Papule (fluid filled) Coal black scab Fever, abdominal distress Fever, mild cough, chest pain	1-7 days	60 days	Anthrax vaccine Inactivated bacterial vaccines	Cipro 400 mg IV every 8-12 hrs <u>or</u> Doxycycline 200 mg IV every 8-12 hrs <u>or</u> Penicillin 2 million unit IV every 2 hrs Streptomycin 30 mg/kg/day <u>or</u> Doxycycline 200 mg stat followed by 100 mg every 12 hrs Streptomycin 30 mg/kg/day <u>or</u> Gentamicin 3-5mg/kg/day 10 to 14 days	If presumptive: Cipro 500 mg <u>or</u> Doxycycline 100 mg <u>or</u> Amoxicillin 500 mg Every 8 hours If confirmed: Continue 4 weeks	Hypochlorite 54°+ C dry heat boiling Lysol 3-5 hrs sunlight 55°+ C heat 10+ min boiling standard disinfectant
Plauge (Bubonic, etc.)	Fever, chills, nausea, sore throat, headache	1-7 days	1-6 days usually fatal	Inactivated bacterial vaccines	Streptomycin 30 mg/kg/day <u>or</u> Doxycycline 200 mg stat followed by 100 mg every 12 hrs	Doxycycline 100 mg for 14 days <u>or</u> Cipro 500 mg 14 days	54°+ C dry heat boiling Lysol 3-5 hrs sunlight
Tularemia (Typhoidal, etc.)	Fever, headache, dry cough	2-10 days	More than 2 weeks	IND—live attenuated vaccine	Streptomycin 30 mg/kg/day <u>or</u> Gentamicin 3-5mg/kg/day 10 to 14 days	Doxycycline 100mg for 14 days <u>or</u> Tetracycline 500 mg	55°+ C heat 10+ min boiling standard disinfectant
Viral							
Smallpox	Fever, vomiting, headache, backache 2-3 days later lesions appear, abundant on face and extremities	7-19 days	4 weeks	Wyeth calf lymph vaccine	Cidofovir (animal studies ongoing)	Immediate vaccination <u>or</u> Revaccination given within first week after exposure	Droplet and airborne precautions for a minimum of 17 days following exposure
Hemorrhagic Fevers (Ebola, etc.)	Headache, vomiting, diarrhea, flushing of face & chest, bleeding, hypotension & shock	4-21 days	7-16 days usually fatal	AHF Candid #1 <u>or</u> RVF inactivated	Antiviral Rx with rabavirin may be useful	None	Contact isolation Mask respirator Hypochlorite solution
Toxins							
Botulism	Cranial nerve palsies, blurred vision, dry mouth and throat, respiratory failure	1-5 days	Death in 24-72 hours Lasts months if not lethal	DOD Pentavalent toxoid	DOD Heptavalent equine despeciated antitoxin CDC Trivalen equitne antitoxin Intubation or tracheostomy with ventilation assistance	Pentavalent toxoid vaccine	Soap & water Sunlight 1-3 hours 80° C heat for 30 min or 100° C for several minutes