

Counter Terrorism Pharmacy Recommendations for Smaller Community Hospitals in Kentucky

10/10/03

Every Pharmacist Should: **Ensure appropriate stock is on hand**

Doxycycline 100mg

Add number of hospital staff and medical staff

Multiply by 2 (family coverage)

Multiply by 6 (capsules of 100mg for 3 days BID)

i.e. Theoretical hospital with 200 hospital staff, 50 medical staff = 250

$250 \times 2 \times 6 = 3000$ capsules

Quinolone (ciprofloxacin or levofloxacin)

1/4 of doxycycline supply

i.e. $3000/4 = 750$ doses

Amoxicillin

1/8 of doxycycline supply

i.e. $3000/8 = 375$ doses

IV forms of drugs listed on previous slides

Recommend typical quantities found in a hospital pharmacy

Zip lock bags

Doxycycline dispensing = 500

Quinolone dispensing = 100

Amoxicillin dispensing = 50

Total bags = 650 bags (i.e. 4" x 6" size)

Patient information sheets

Dual purpose serving as "labels"

Quantity as above

Atropine

Enough to treat 50 patients

$2\text{mg} \times 2\text{doses} \times 50 = 200\text{mg}$

Atropine is inexpensive and can be purchased in the powder form, so this amount should be easily exceeded

Pralidoxime (2-Pam)

Enough to treat 10 patients

$2\text{g} \times 2\text{doses} \times 10 = 40\text{g}$

Pralidoxime is expensive but can be purchased in the powder form

Potassium Iodide (KI)

Only protects thyroid in cases of radioactive iodide exposure, which is highly unlikely in a "dirty bomb" scenario

Nevertheless it is highly available and inexpensive

Recommend inventory quantity to cover most of your community population (i.e. 5-6 bottles of 1g/ml or thousands of tablets)

Cyanide Kits

Problem because of expense (\$~200/kit)

Stock at least 1-2 kits

Ask local emergency planning to fund additional kits

Adequate supplies of

Analgesics Benzodiazepines

IV Fluids

Silver sulfadiazine

Povidone iodine

Establish supplies of counter-terrorism pharmaceuticals at your own site

Collect information from the CDC website or other appropriate resources

Contact regional hospitals to determine supplies in your area

Contact either Don Kupper (U of L) or John Armitstead (UK), making them aware of your inventory of key pharmaceuticals