CDC Level Three Chemical Terrorism Hospital Preparedness Training
Best Practices

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CT Laboratory Response Network

CT Preparedness Nebraska

- Comprehensive Response Plan
  - Detection & Surveillance
  - Laboratory Analysis
  - Early Response
  - Communication
    - Partnerships with Hazmat teams, emergency medical personnel, first responders, law enforcement, FBI, EPA, MMRS groups, Public Health association, and Hospital Facilities...
  - Preparedness Planning & Prevention

CT Preparedness for the Sentinel Hospital

- Coordinated Plan Nebraska PHL
- Identify CT Preparedness Plan “Key Players” at your facility
- Train Staff to be Familiar with CT Preparedness Plan
  - Yearly Exercises – possibly Fall 2010
- Maintain a “Stockpile” of Specimen Collection Supplies
  - NPHL to provide packaging & shipping supplies
  - Sentinel Lab to provide specimen collection supplies
- Create LIS Order Codes Prior to an Event
  - Specimen collection personnel know immediately what tubes to draw or specimens to collect
  - Enough labels to use on specimen & paperwork
  - Bar Code labels printed with 2 patient identifiers
- Contact Numbers Available & Visible

Supplies

- Stockpiles
  - CDC
    - 5000 Patients
  - NPHL
    - 300 Patients
  - MOU with local supplier
    - 1000 Patients
  - NE Hospitals
    - MUA with 18 Facilities
    - 100 Patients

- Supplies cont...
  - Evidence Tape
    - Supplied by NPHL
  - Shipping Supplies
    - Boxes, etc...
    - Supplied by NPHL
    - Partially completed FedEx Airbill
  - Dry Ice
    - Supplier pre-determined by each of hospital facility
    - Required to keep urine samples frozen
Shipping Supplies NPHL will provide...

- 2 Shipping boxes for blood tubes
  - Need to pre-freeze the freezer paks
  - Each box will hold 90 tubes (45 per foam)
  - 180 tube capacity (40 x 4 = 160 plus blanks)
- 4 Shipping boxes for urine containers
  - Need to arrange to ship with dry ice when sending to CDC or NPHL
  - Each box will hold 12 urines (6 per gridded box)
    - 48 urine container capacity (40 x 1 = 40 plus blanks)
- Packing Materials
- Nearly complete FedEx Airbill

What if it happens in your City?

- Affected individuals decontaminated
- Affected individuals given medical attention
- Affected individuals arrive at hospital emergency room
- Follow your facility protocol

If it happens...

- NPHL staff will try to assist you on-site
- Necessary supplies are at your facility
- Enter CT orders in LIS system, print labels
- Start Chain of Custody (COC)
- Collect samples from 40 most affected people
  - Three 4-mL vacuum-filled only purple-top (EDTA) tube
  - One 4-mL vacuum-filled only green top (Heparin sodium or lithium) tube
  - 25-50 mL urine, freeze ASAP (-70°C or dry ice preferred)
- Package & Ship to CDC (include blanks)
- All other samples sent to NPHL pending results

Chain of Custody (COC)

- Person who collected specimens shall start COC
  - 1 form per person you collect
  - 40 people sampled = 80 COC forms
  - Enter “Collected by” information and reason
  - Next person enters “Received by” information and reason (i.e. refrigerated, FedEx…)
  - If given to FedEx or other courier then write that in the “Received by” area
    - On “reason line” write the FedEx tracking number
- Your facility will keep each completed COC
- Using printed labels will simplify process
Chain-of-Custody Form

- For blood specimens
  - Per patient collection
- Patient ID
- Document kept on site

Chain-of-Custody Form

- For urine specimens
  - Per patient collection
- Patient ID
- Document kept on site

Shipping Manifest

- For blood specimens
  - Submit one per box (shows box contents)
  - Each box is for patient label

Instructions for Shipping Blood Specimens to CDC after a Chemical-Exposure Event

Instructions for Shipping Urine Specimens to CDC after a Chemical-Exposure Event

Detailed Instructions – Check List
Putting specimens in boxes

- Follow CDC Diagrams & Instruction Checklist
  - IATA PI 650
- UN3373, Biological Substance, Category B Label
- Dry ice label required for urine transport (provided)
  - UN 1845, Class 9
  - Dry ice weight in Kg required
- Tape boxes shut with strapping tape
  - Supplied by NPHL

How to ship...

- If directed to send specimens to CDC
  - Send specimens via Federal Express
- If directed to send specimens to NPHL
  - Courier
  - Other...
    - FBI, State Patrol, NPHL Personnel...

Complete FedEx Airbill

Airbill for Urine Samples

Add Dry Ice Weight

Airbill for Blood Samples

Reference Documents

- www.nphl.org
  - BIOTERRORISM/CHEMICAL TERRORISM PROCEDURES

- www.bt.cdc.gov/chemical/lab.asp
  - CHEMICAL TERRORISM PROCEDURES
  - NPHL Website
  - Scroll down for all documents

- CDC Website
  - Scroll down for all documents
Be Prepared…

- Familiarize yourself with documents in CT Preparedness Trifold or website
- Create order codes in LIS
- Pre-freeze gel paks
- Locate dry ice supplier
- Know who to call
- Participate in future CT exercises

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