


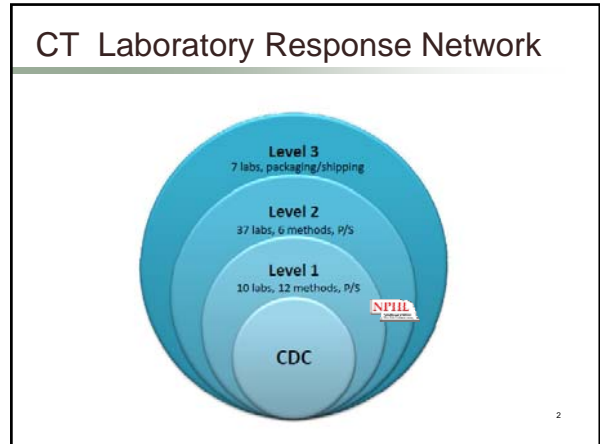


CDC Level Three Chemical Terrorism Hospital Preparedness Training Best Practices

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- ## 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

4 mL or larger Lavender (EDTA)
4 mL or larger Green (Sodium or Lithium Heparin) or Gray Tubes (Sodium Fluoride/Potassium Oxalate)
Sterile Urine Containers
Multiple Sample Needles
Collection Tube Holders
Latex Free Tourniquets
Alcohol Prep Pads
Cotton Balls
Adhesive Bandages
Specimen Bags (Ziploc)
3 Gallon Sharps Container
1 Gallon Bleach

- ## 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
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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

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What if it happens in your City?



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What if it happens in your City?



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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

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If it happens...

- NPHL will partner with Sentinel Hospitals facilities to collect samples from 40 most affected
 - Initial samples are sent to CDC for analysis, 150 analytes 36 hours, (Bio and Chem Agents),
 - Remaining samples will be sent to NPHL
- CDC Laboratories perform Rapid Toxic Screen on initial samples
- CDC provides guidance to NPHL and LRN partners for the analysis of remaining samples

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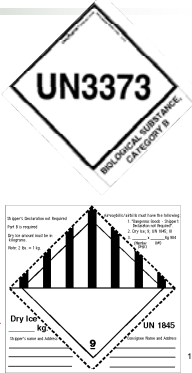
Chain of Custody (COC)

- 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

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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



Complete FedEx Airbill

Airbill for Urine Samples

Airbill for Blood Samples



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...

Reference Documents

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



Reference Documents

- BIOTERRORISM/CHEMICAL TERRORISM PROCEDURES

- NPHL Website
- Scroll down for all documents

Chemical Terrorism

For Questions Contact:
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Checklist: Chemical Terrorism Event Specimen Collection
This is a one page document containing directions and visual representations for use in collecting blood and urine specimens from potentially exposed individuals.

Shipping Instructions for Specimens Collected From People Externally Exposed to Chemical Terrorism Agents
Contains the Centers for Disease Control and Prevention shipping instructions for specimens collected from people who may have been exposed to chemical terrorism agents.

Chain of Custody Form for Blood Samples
Fill out one form for each patient collection.

Chain of Custody Form Instructions

Shipping Method for Blood Samples
Submit one per box sent.

Shipping Method for Urine Samples
Submit one per box sent.

Delayed Packaging Instructions for Blood Specimens
This is a one page document containing photographs, and related text of the required steps necessary for packaging and shipping blood specimens to CDC.

Delayed Packaging Instructions for Urine Specimens
This is a one page document containing photographs, and related text of the required steps necessary for packaging and shipping urine specimens to CDC.

Biological Substance Category B Packaging Checklist for Urine Samples

Descriptions of Chemical Agents from the CDC can be found [HERE](#).

Reference Documents

- www.bt.cdc.gov/chemical/lab.asp

- CHEMICAL TERRORISM PROCEDURES

- CDC Website
- Scroll down for all documents

CDC Centers for Disease Control and Prevention
Your Online Source for Contable Health Information

Emergency Preparedness and Response

Laboratory Information for Chemical Emergencies

NOTE: The following is a list of documents related specifically to chemical emergencies. For other lab resources, please see the Emergency Preparedness and Response Laboratory Information page.

- Checklist: Chemical Terrorism Event Specimen Collection** (PDF) (11/11/09) (last revised 10/11/09)
- Checklist: Public Health Centers for Lab Testing To Collect Specimens During a Potential or Suspected Chemical Event** (PDF) (11/11/09) (last revised 10/11/09)
- Chemical Agents, Shipping Instructions for Specimens Collected From People Who May Have Been Exposed to Chemical Terrorism Agents** (PDF) (11/11/09) (last revised 10/11/09)
- Chain of Custody Form for Blood Samples** (PDF) (11/11/09) (last revised 10/11/09)
- Chain of Custody Form Instructions** (PDF) (11/11/09) (last revised 10/11/09)
- Shipping Method for Blood Samples** (PDF) (11/11/09) (last revised 10/11/09)
- Shipping Method for Urine Samples** (PDF) (11/11/09) (last revised 10/11/09)
- Delayed Packaging Instructions for Blood Specimens** (PDF) (11/11/09) (last revised 10/11/09)
- Delayed Packaging Instructions for Urine Specimens** (PDF) (11/11/09) (last revised 10/11/09)
- Biological Substance Category B Packaging Checklist for Urine Samples** (PDF) (11/11/09) (last revised 10/11/09)
- Descriptions of Chemical Agents from the CDC can be found [HERE](#).**

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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Contact Information

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