Community Reception Center Electronic Data Collection Tool (CRC eTool)

Just-in-Time Training

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Outline

- Background
  - Improvised nuclear device (IND) detonation
  - Expected injuries
  - Community reception centers (CRCs)

- CRC Electronic Data Collection Tool (CRC eTool) Training
Improvised Nuclear Device (IND)

- Think Hiroshima “Little Boy”
- Low-yield kiloton range
- Possible tool of terrorism
- No warning!
Nuclear Detonation
Expected Injuries Following IND Detonation

- Trauma
- Thermal burns
- Radioactive burns (fallout)
- Radioactive contamination
- Acute radiation syndrome
Community Reception Centers (CRCs)

- Local response strategy for conducting population monitoring
- Multi-agency effort
- Opened 24–48 hours post incident
- Located outside affected zones
Benefits of CRCs

- **Main purpose:** prioritize people for further care
  - Ease burden on hospitals
  - Manage scarce medical resources

- **Services**
  - Contamination screening
  - Decontamination
  - Registration for subsequent follow-up
  - Prioritization for medical care
7 Stations

- **Contaminated zone**
  - Initial sorting
  - First aid
  - Contamination screening
  - Wash

- **Clean zone**
  - Registration
  - Radiation dose assessment
  - Discharge
Staff identify people who have:

- Urgent medical needs
- High levels of contamination
- Special needs
- Prior decontamination
First Aid Station

- **Medical staff provide immediate care**
  - Treat minor injuries on-site
  - Arrange emergency transport for severe illness or injury

- **Life saving care takes priority**
  - Do not delay transport for decontamination
Contamination Screening Station

- **Staff screen people for contamination**
  - Handheld instruments or portal monitors
  - Express lane for people with prior decontamination
  - Consult state radiation control authority for guidance
Wash Station

- **Staff facilitate showering**
  - People wash themselves
  - Indoor shower facilities or mobile decontamination units
  - Some may need multiple showers
  - Full-body contamination screening before going to Registration Station
Registration Station

- **Staff use epidemiological tools to:**
  - Establish a registry
  - Determine need for immediate follow-up at Radiation Dose Assessment Station

- **Information collected includes:**
  - Demographic information
  - Destination
  - Proximity to event
  - Time in affected area
Clinical and health physics staff:
- Screen for internal contamination
- Assess radiation exposure
- Assess need for bioassay
- Assess need for treatment
- Prioritize for short-term follow-up
Staff provide information for people leaving the CRC

- Assess need for counseling
- Discharge to home or shelter
- Provide referral for further care
CRC Data for Public Health Use

- Characterization of affected population for situational awareness
- Provision of epidemiological data to create registries for long-term follow-up
- Identification of risk factors associated with particular environment or activities
- Prioritization of limited medical resources such as countermeasures or bioassays
- Improvement of dose reconstruction by collecting personal variables
CRC eTool

- Electronic data collection tool
- Based on Epi Info™ 7 software
- Networked tool which can be used by all stations
8 Stations: 7 CRC Stations + 1 Unregistered

- Initial sorting
- Radiation contamination screening
- Wash
- First aid
- Registration
- Radiation dose assessment
- Discharge
- Unregistered
Main Screen and Line List

- New records (i.e. new individuals) can ONLY be added by station staff members at “Initial Sorting”

- Click “+ Add New Record” ONLY on the line list page
Initial Sorting Station

- Entry point for all individuals
- If recording information for a family, use suffix A, B, C etc for each family member in “Barcode” or “ID Number” field
  - 1001A, 1001B
- Enter required fields (1)
- Select “Initial Sorting” (2)
Initial Sorting Station

- New record
- Instructions at the top (1)
- Complete all required fields (2)
- Click “Save & Close” (3)
- Decide next station based on exposure level and/or medical needs
All Other Stations

- Station selection
All Other Stations

- For data entry, select the station assigned to you
- Follow station-specific instructions provided
All Other Stations

- Do **NOT** click on “Add New Record”
- Visually search for “Barcode ID” or “Lastname” (1)
- Optionally, use “Search” (2)
- Click “Open” on the line list to select the individual (3)
All Stations

- Line list

Epi Info™ Community Reception Center

CRC Forms

1 - 20 of 39

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<th>Open</th>
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<th>Hortulan</th>
<th>Kimberly</th>
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<td>Hally</td>
<td>Mary</td>
<td>A</td>
<td>17</td>
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</table>
All Stations

- **Find instructions on the first page of each station form (1)**
  - Read instructions before completing information
  - Collect information on all required fields
  - Follow built-in skip-patterns
- **Always click “Save & Close” (2)
All Stations

- Always click “Save & Close” (1)
- “Back” returns to the page with station buttons (2)
- “Main Record” returns to the page with station buttons (3)
All Stations

- Do not click “Exit”

- If you accidentally clicked “Exit,” make sure you click “Save” in the pop-up if you have changed or added any information.
Questions?

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For more information, contact NCEH
1-800-CDC-INFO (232-4636)
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