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### Vulnerable Populations



- ◊ Infirm
- ◇ Individuals with mental illness
- ◊ Elderly
- ◊ Children
- All those dependent on technology









### Difficulty Responding

- Vnpredictable time and place
   Varied in size and scope
   Location of family members may vary









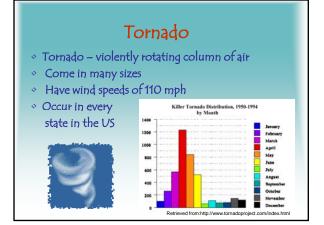


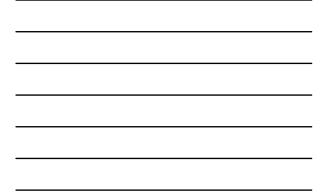
### Weather Safety Recommendations

- Weather Radio availability (non-electricity dependent)
- runs on battery
- alarms for weather issue
- in the area
- Alerts available via
  - TV
  - radio
  - email
  - cell phone
- Retrieved from: http://www.accessnoaa.u









### Tornado Response

- Pre-designated shelter
  - such as a basement
  - under a sturdy table or the stairs
- ◊ If no basement
  - go to a small interior room or hallway on the lowest floor
- ◊ Get under a sturdy table
- ♦ Stay away from windows



- Tornado Response
   Run critical equipment on battery power during electrical storms
  - prevents the risk of a damaging power surge
- ◊ Test the action plan
  - are you able to get the child downstairs without assistance?
  - What is the alternate plan?
- Prepare the child and equipment during the storm watch
  - enables you to respond to sudden changes in the weather





### Hurricane Response

- Potential need for early evacuation
- Prepare for needed equipment & supplies
- Ensure the transport plan and designated safe shelter location is appropriate for the child



### Flooding



ved from http://v

### Flood – a high flow or overflow of water from a river or similar body of water

 Threatens lives and property in every US state

### Retrieved from: http://www.usgs.gov/hazards/floods/

### Flooding

### ◊ Variety of causes

- Winter or spring rains & melting snows that fill river basins too quickly
- Torrential rains from hurricanes or other tropical systems
- Repeated heavy rain from thunderstorms over a period of weeks
- Failure of levees or dams

– Inadequate drainage in urban areas



### Flood Response

- Plan a safe evacuation prior to flooding
- Follow weather alerts for the risk of flooding or flash floods
- Move equipment and supplies to higher ground,

Retrieved from: http://www6.indygov.org/dmdplan/flood/Floodsafety.h

- within the home
- or to a designated safe site



### Flood Response

 Anyone with respiratory health problems, such as asthma or a tracheostomy, should not be allowed in the flooded areas before or during cleanup.
 Clean & dry household furnishings as soon as possible

 prevents the growth of mold



Retrieved from: http://www.ngb.army.mil/resource. photo\_galleru/states/flood.html

## Retrieved from: http://www.fema.gov/kids/b. kidhlo18.htm

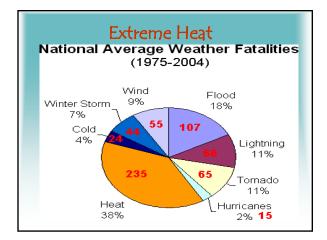
# Flood Response Drink only bottled water or water from a known safe source Do NOT drink the water if the water is cloudy, odorous or colored

Retrieved from: http://usinfo.state.gov/xarchives/display.html?p=washfileenglish&y=2006&m=December&x=20061229123149hmnietsua0.7205469

### Flood Response

- ◇ Clean floors with detergent
- ◇ Disinfect with chlorine bleach solution - recipe 4-6 oz of bleach per gallon of water
  - keep on floor several minutes before rinsing
- Keep windows open for ventilation
- Wear dust mask, eye protection, boots, gloves





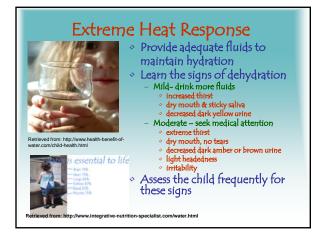


### What is Extreme Heat?

### ◊ As defined by the CDC

- Temperatures 10 degrees or more above the average high temperature
- Last for several weeks
- Humid or muggy conditions
- "Dome" of high atmospheric pressure traps hazy, damp air near the ground







### Power Outages/Blackouts

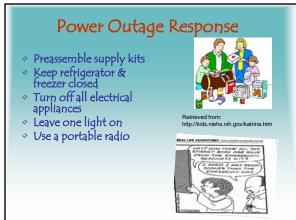
- Power outage -loss of electricity to an area
   Blackout complete loss of electricity
   Rolling blackout controlled rotation of available electricity
- Most power outages are caused by weather-related events
- ♦ Heat is the major public health problem related to blackouts

Retrieved from: http://www.fpl-fraud.com/









### Winter storm/Blizzards



http://www.ngb.army.m

## A winter storm is an event in which snow, sleet, or freezing rain occur in large amounts

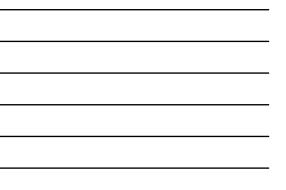
### Winter Storm Response

- Often advance warning is available
- Have extra blankets on hand
- ♦ Ensure that each person has warm clothing



Retrieved from: http://www.unbf.ca/isao/handbook/clothing.html





### Fire

- $\diamond~$  A house fire can reach temperatures of over 1100° F in 3  $^{1\!/_2}$  minutes.
- ◇ Fire produces gases and fumes
- Smoke causes complete darkness in 4 minutes.



Retr

ed from: http://













### Medical Emergency Readiness Plans

- Backup medical records & care plan
   with child
  - in alternate location
- ◊ Alternative pharmacy
- ◊ Use a medical ID



Retrieved from: http://www.goldcoast.qld.gov.au/t\_print.aspx?pid=5761&print=true



- Emergency Medical Services for Children
- EMSC provides information and resources to families and care providers of CYSHCN
- Website <u>http://bolivia.hrsa.gov/emsc/</u>

### Emergency Readiness Websites

- Public Service Announcement & publication "Your Home Fire Safety Checklist <u>http://www.cpsc.gov</u>
- CDC website http://www.bt.cdc.gov/disasters/extremeheat/index.asp
- American Red Cross <u>http://www.redcross.org</u>
- FEMA for Kids <u>http://www.fema.gov/kids</u>
- Public Health Emergency Preparedness <u>http://www.ahrq.gov/prep/</u>
- Flood Safety <u>http://www.srh.noaa.gov/tadd</u>

### Emergency Readiness Websites

- READY School Safety Training <u>http://media2.wi.gov/dpi/catalog</u> (select student services from menu on the left).
- Lightning Safety <u>http://www.lightningsafety.noaa.gov</u>
- Tornado Preparedness Plan for Schools <u>http://www.crh.noaa.gov/ark/prepare\_school.php</u>
- StormReady-Community Preparedness <u>http://www.stormready.noaa.gov</u>
- NOAA National Weather Service-Forecasts and Warnings
   <u>http://www.weather.gov</u> (click on your part of the state for local weather information)
- Family preparedness for emergencies and disasters <u>http://www.ready.gov</u>

### Key Points

- understand emergency readiness issues as they affect the child you are caring for,
- ◇ prepare and document a workable plan,
- Share & practice the plan with the child, family & other care providers
- ♦ Advocate for CYSHCN

