

Learning Objectives

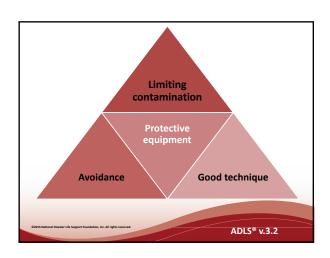
- Describe wet, dry, and contaminant-specific decontamination techniques
- Discuss requirements for decontamination of ambulatory and non-ambulatory patients
- Differentiate levels of personal protection based on exposure risk

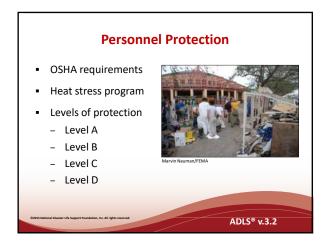
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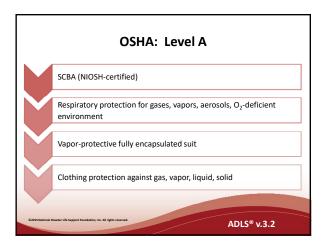
Risks to Health Workers Chemical contaminants Biological contaminants Radiological contaminants ADLS® v.3.2

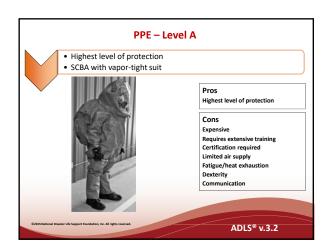
Chemical and Radioactive Contaminants How much? Physical state? Vapor/gas Liquids Solids Duration of exposure COLLIMITATION TO THE PROPERTY TO SHARM THE PROPERTY THE PROPERTY THE PROPERTY TO SHARM THE PROPERTY THE

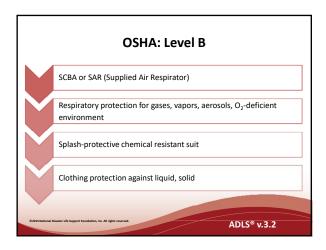
Biologic Contaminants What organism is it? How virulent? How does it transmit? How long to incubate? Any need for prophylaxis?

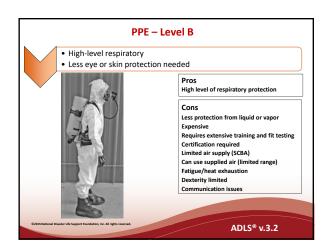


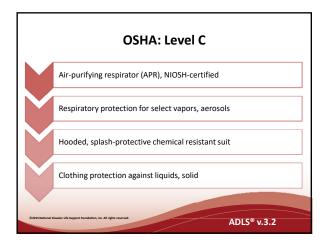


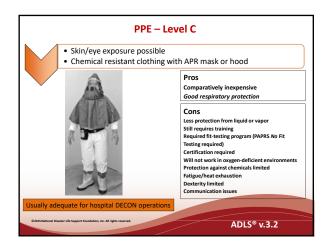


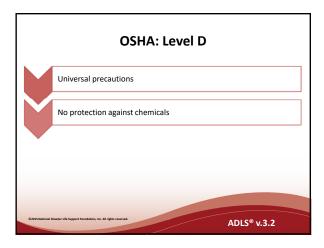


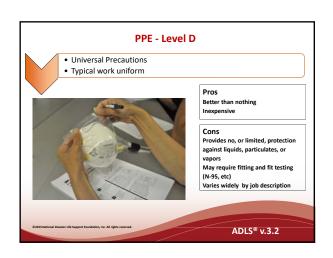












PPE for Biologic Agents

- Splatter gown
- Goggles and face shield
- Masks: simple vs. filter (N95)
- Gloves

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PPE for Viral Hemorrhagic Fever

- Negative Pressure Room
- PAPR or N95 Respirator
 - PAPR: A PAPR with a full face shield, helmet, or headpiece
 - N95 Respirator: Single-use (disposable) N95 respirator in combination with single-use (disposable) surgical hood extending to shoulders and single-use (disposable) full face shield
- Single-use (disposable) fluid resistant/impermeable:
 - Gown
 - Two pairs nitrile examination gloves with extended cuffs
 - mid-calf or higher boot/shoe covers
 - Apron that covers the torso to the level of the mid-calf should be used if patients with EVD have vomiting or diarrhea

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PPE for Radioactive Agents

- Keeps skin and personal clothing free of contaminants
- Stops alpha and beta particles, not gamma rays
- Adds waterproof shoe covers and tape to seams
- Includes two pairs of exam gloves
- Includes radiation dosimeter attached to gown

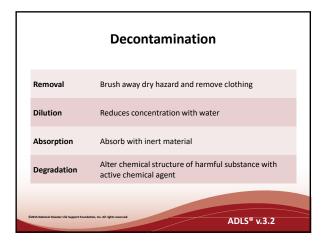
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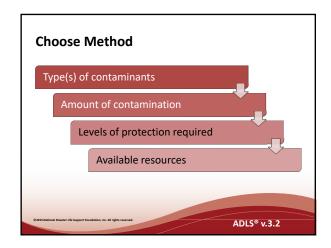
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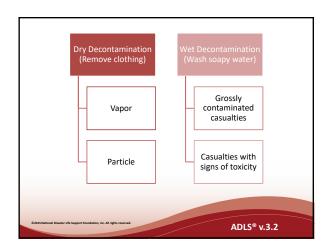
PPE for Chemicals Decontamination: outside of hospital Level C PPE: hospital first receivers Level D PPE: within hospital

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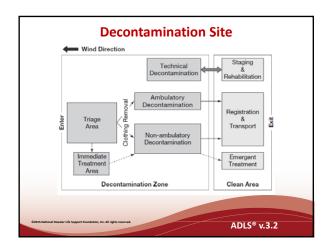
Minimizing Secondary Transfer Decontamination Removes and neutralizes contaminants Isolation Contains and identifies hazards Disposal Removes hazards to approved site ADLS® v.3.2



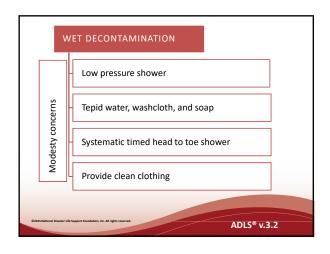


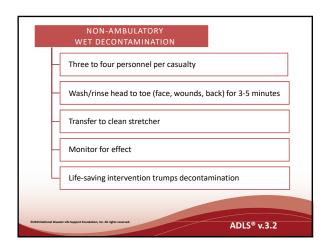


Dry Decontamination Two Definitions 1. Removal of all clothing 2. Use of powders or dry materials to remove contaminants — Flour, diatomaceous earth, paper towels, etc.









Summary

- 4 Levels of PPE A, B, C, D,
- Decontamination
 - Dry
 - Wet
- Non-ambulatory casualty decontamination is resource intensive

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