

Housekeeping

- If you experience technical difficulties, please call (530) 487-0727 for assistance.
- Please participate in all polls and the evaluation.
- For any questions, please utilize the question box.

Learning Objectives

Participants will be able to...

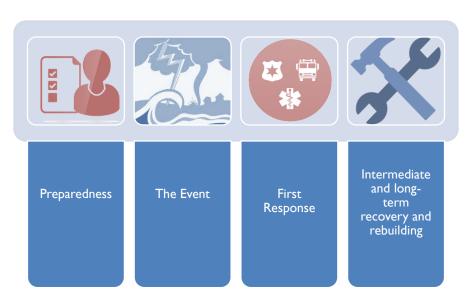
- Identify the most critical and common hazards encountered by workers and residents engaged in post-disaster demolition and reconstruction.
- Articulate the best strategies to educate workers and others about how to prevent injuries and illness during the clean-up following hurricanes and superstorms.
- List at least three resources they can use to guide workers and residents during post-disaster demolition and reconstruction.

Community
health
workers and
clinicians
promote
worker health
and safety





Stages of disaster response



Lineman killed while working in Florida Storm Victims, in Cleanup, after Hurricane Irma FIRST COAST NEWS ABC S Face Rise in Injuries and FIRST COAST NEWS ABC Suprember 21, 2017 Today, we're remembering a worker killed while helping to restore power after Hurrane Imar piped through Florida. Scott Christopher Reld, Jr., 26, died Sunday in FL Lauderdale while working storm damage. He was born in Arcadia, Florida, and was an avid Gators fan, according to his obluary. He enjoyed fishing, dining four-wheelers and having farmly, the spending time with his family. At this point, details of how he did are unavailable. Thank you, Scott, and all of the line workers who helped get Florida back to normal after Hurricane Ima. IMPES New York Times, November 19, 2012 Day and night, victims of Hurricane Sandy have been streaming line ad hoc emergency rooms and been streaming line and hoc emergency medical unit on relief centers like the MASH-type medical unit on relief centers like the MASH-type medical unit on an attention time of the control of the stream o Tree worker killed in Hurricane Matthew cleanup in Volusia from Ohio THE DAYTONA BEACH NEWS JOURNAL Oct 11, 2016 They complain of rashes, ashma and coughing. They need tetanus shots because — house-proud and with short should be an armound with surviving and boards and gent poked by rush surviving and boards and gent poked by rush deviates and the strength of the s JOURNAL Oct 11, 2016 The tree cutter killed when a log pinned him was an employee of an Ohio company working in the Hurricane Matthew recovery effort, officials said Steven Bary, of Garrettsville, Ohio, is the fourth person killed in hurricane-related accidents, said Volusia County sherifs spokesman Gary Davidson. Barna worked for Falls Tree Co. of Chagrin Falls, Ohio. The company has workers in the area to help with tree cleanup from the storm. Barna was killed late Monday afternoon at Halifax Plantation in Northern Volusia. He was cutting a tree that was afterady on the ground when a griece of the tree folled on top of him and pinned him underneath, Davidson said. "I've been coughing," said Gabriel McAuley, 46, who has been working 16-hour days guiting whomes and holing dears in the Rockaways since the storm hit. "I've never felt a cough like that before. It's deeper down." Safety rules often ignored in post-Hurricane Sandy cleanup, many workers put at risk It is impossible to say how many people have been sickened by what Hurricane Sandy left behind: mold from damp drywall; spills from damp drywall; spills from the shade in the same shade in the NEW YORK DAILY NEWS April 28, 2013 In the harrowing weeks after Hurricane Sandy, thousands of workers descended upon the destruction zone to safely clean up, tear down and rebuild homes wrecked by the storm. But for some, the good deed turned into a nightmare of dangerous conditions that led to serious injuries and even death, a Daily News investigation has found. NEW YORK DAILY NEWS April 28, 2013 Landscape worker killed by falling tree in post Hurricane Irma cleanup investigation has found. DRIPLINE Sept. 14, 2017 At the height of the Sandy cleanup, workers without protection fell from roofs, were shocked Clewiston, FL - 65 year old by exposed wires and injured by chemicals, Mauro Yanes died helping a client in need during the post Hurricane records show. Federal inspectors patrolling flooded Federal inspectors patrolling flooded neighborhoods in New York City, New Jersey and Long Island encountered 3,100 instances of unsafe job conditions, removing some 7,900 workers from hazards, Occupational Safety and Health Administration (OSUA) reported. Irma cleanup. Yanes, who worked as a landscaper for more then two decades, was killed when a tree he was cutting down struck him. Health Administration (OSHA) records obtained....



What are employers' responsibilities?



The Occupational Safety and Health Act requires employers to provide a safe and healthful workplace free of recognized hazards and to follow OSHA standards. Employers' responsibilities also include providing training, medical examinations and recordkeeping.

For more information about OSHA, go to http://www.osha.gov or call I-800-321-OSHA (6742)

What are workers' responsibilities?

- ✓ Follow the employer's safety and health rules and wear or use all required gear and equipment
- √ Follow safe work practices for your job, as directed by your employer
- √ Report hazardous conditions to a supervisor.
- √ Report hazardous conditions to OSHA, if employers do not fix them



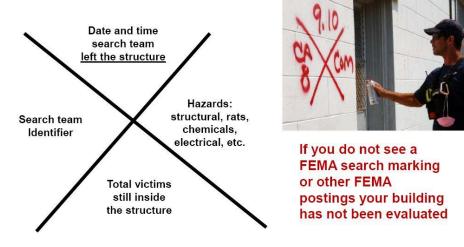






NIEHS: Awareness for Post-Disaster Debris Cleanup

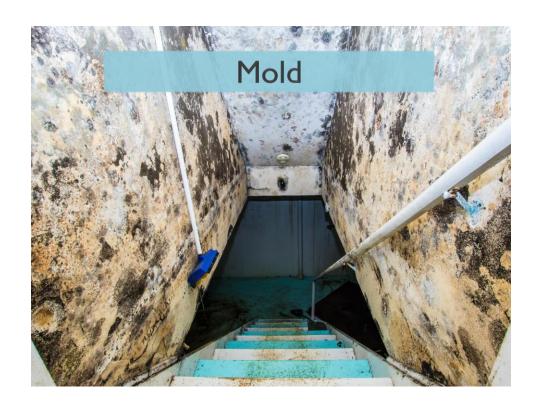
FEMA search marking system can warn you of danger

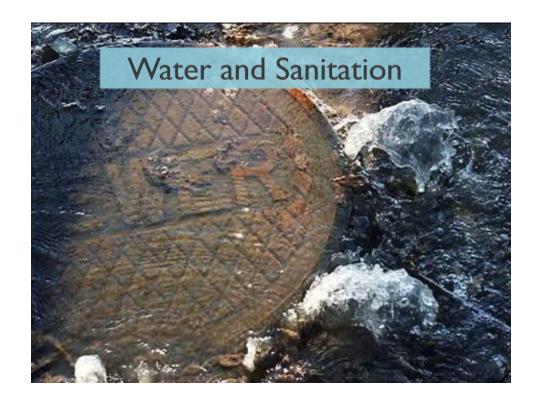


WORKER EDUCATION & TRAINING PROGRAM





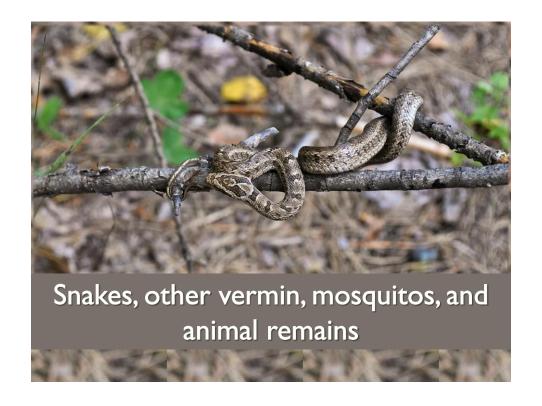












Working conditions





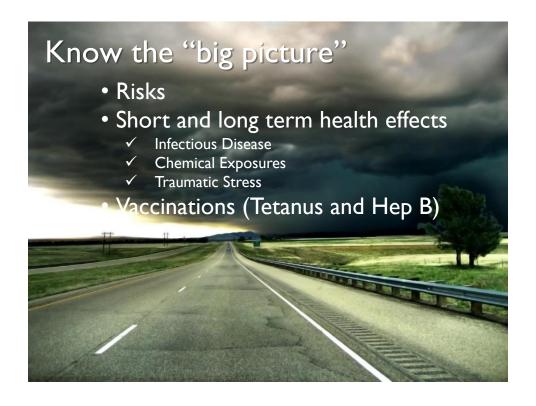














Knowledge of workers' rights

Familiarity with health and safety resources



- √ Where can workers get trained?
- ✓ What are the available educational materials?



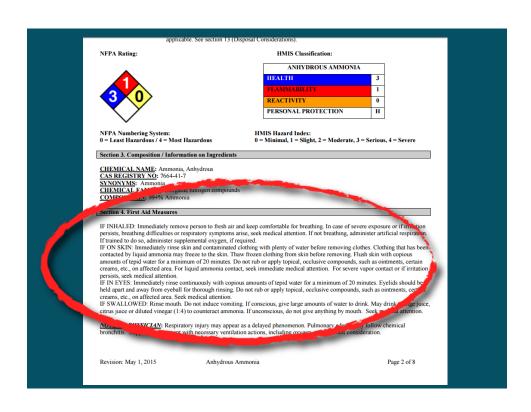












Section 8. Exposure Controls / Personal Protection

EXPOSURE LIMITS FOR AMMONIA: (Vapor) OSHA

35 mg / m³ PEL 27 mg / m³ STEL 18 mg / m³ REL IDLH 8 hour TWA 35 ppm, 15 minutes 10 hour TWA 25 ppm, 300 ppm, 25 ppm, 35 ppm, 18 mg/m³ TLV 27 mg/m³ STEL 8 hour TWA 15 minutes ACGIH

PROTECTIVE EQUIPMENT:
EYE/FACE PROTECTION: Chemical splash goggles should be worn when handling anhydrous ammonia. A face shield can be worn over chemical splash goggles as additional protection. Do not wear contact lenses when handling anhydrous ammonia. Refer to 29 CFR 1910.133 for OSHA eye protection requirements.

SKIN PROTECTION: Ammonia impervious gloves and clothing (such as neoprene, butyl and Teflon) should be worn to prevent contact during normal operations, such as loading/unloading and transfers. Chemical boots can be worn as additional protection.

RESPIRATORY PROTECTION: Respiratory protection approved by NIOSH for ammonia must be used when applicable safety and health exposure limits are exceeded. For escape in emergencies, NIOSH approved respiratory protection should be used, such as a full-face gas mask and canisters/cartridges approved for ammonia or SCBA. A positive pressure SCBA is required for entry into ammonia atmospheres at or above 300 ppm (IDLH).

Refer to 29 CFR 1910.134 and ANSI: Z88.2 for OSHA respiratory protection requirements.

Also refer to 29 CFR 1910.111 for respiratory protection requirements at bulk installations

VENTILATION: Local exhaust should be sufficient to keep ammonia vapor below applicable exposure standards.

FOR A HAZARDOUS MATERIAL RELEASE RESPONSE: Level A and/or Level B ensemble including positive-pressus should be used. A positive pressure SCBA is required for entry into ammonia atmospheres at or above 300 ppm (IDLH).

gases o vapores inflamables. Deben usarse detectores de gas cuando existe la posibilidad de que se produzcan escapes de gases tóxicos. En los sitios próximos a cualquier posible exposición debe haber regaderas y estaciones de emergencia para lavarse los ojos. Use equipo a prueba de explosiones. Asegúrese de cumplir con todos los reglamentos nacionales y locales.

de protección. Ventilación insuficiente: use protección para











Framework for helping workers stay safe on the job

Assess the environment Acknowledge potential risk Prepare for the risks: Training and PPE

- Physical
- Knowledge
- Emotional

Where to look for more resources

- Health
- Safety



Going back to the original case study, how would you apply what you've learned to help the worker in question?





-ocal Resources

- Regional OSHA
- FEMA Disaster Recovery Center
- Utility companies
- Health Department / Animal Control
- Local health center
- Poison control center
- Worker Center
- 911 (it's important for workers to know the address where they are working)

Additional Training Required

This webinar serves as to serve as an introduction and we hope it will help you help workers and residents.

Regardless of work scope, many topics covered corresponding OSHA standards – such standards must be met in order to safely and legally perform associated iob duties.

Cleanup workers should always keep in mind that when in doubt about the safety of an activity, stop what you are doing and ask questions. Be sure you are safe before continuing.

Contact the National Clearinghouse for Worker Safety and Health Training (202-331-7733) and review the website https://tools.niehs.nih.gov/wetp/index.cfm for additional information on hurricane and flood response and cleanup.

You may also contact us regarding training for hurricane response and cleanup activities.



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	By: Claire Hutkins Seda, Sep. 21, 2017
	Pop quiz: Before Migrant Clinicians Network trainings, what percentage of surveyed primary ca clinicians knew if reporting pesticide exposures in their state was required? Read on to find the
	answer – and how MCN is changing the world of primary care through the incorporation of effect and efficient trainings and technical assistance around pesticide poisoning recognition.
	management
	Read M
	Barely Recovering from Irma, Puerto Rico Health Centers Brace for Ma
All and a	By: Claire Hutkins Seda, Sep. 20, 2017
3	
3	[Editor's note: Our thoughts and prayers are with our Puerto Rico colleagues and their patients
3	

http://www.migrantclinician.org/community/blog.html



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Please take the Participant Evaluation

Thank You!

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