June 2017 Emergency Preparedness and Response Office

What are our priorities?

The National Institute for Occupational Safety and Health (NIOSH) Emergency Preparedness and Response Office (EPRO) prepares for and responds to chemical, biological, radiological, and natural events. The program integrates occupational safety and health into responses to protect response and recovery workers with the help of partners from industry, labor, trade associations, professional organizations, academia, and other federal agencies.

What do we do?

- Manage policy, science, and program activities associated with worker safety and health during emergency responses and for emergency preparedness activities.
- Support the Centers for Disease Control and Prevention's (CDC) emergency response efforts:
 - Contribute to the development of response plans,
 - Staff the Worker Safety and Health Team within the CDC's Emergency Operations Center, and
 - Participate in emergency preparedness and response training activities and exercises.

- Support the Occupational Safety and Health Administration (OSHA) during a disaster to protect worker safety and health under the National Response Framework.
- Participate in response planning at the local, state, national, and international levels to ensure the timely identification of health hazards associated with emergency responses and implementation of adequate protection measures.
- Use the Disaster Science Responder Research (DSRR) Program to identify research needs to protect response and recovery workers while identifying solutions to rapidly supporting research during emergencies.

What have we accomplished?

- Published a <u>NIOSH topic page</u> with recommendations for emergency responders on how to prevent occupational exposures to fentanyl.
- Jointly published interim guidance for protecting workers from occupational exposures to Zika virus with OSHA and coordinated 39 deployments to support the Zika response.
- Funded 3 research studies and identified research gaps during ongoing responses as part of the DSRR Program.
- Provided training to 18 African nations to build capacity for integrating occupational safety and health into emergency responses at a World Health Organization workshop.
- Participated on the National Advisory Commit-tee on Occupational Safety and Health's

Emergency Preparedness and Response Subcommittee to examine issues such as facility and equipment preparedness, vehicle preparedness and operation, pre-incident planning, incident standard operating procedures, and post-incident analysis.

- Collaborated with the National Institute of Environmental Health Sciences' Worker Training
 Program on the development of the Ebola biosafety and infectious disease response training
 program.
- Collaborated with Department of Homeland Security (DHS) on the development of the first comprehensive federal guidance to decrease the time to return a subway system to service following a biological incident.

What's next?

- Launch ERHMS Info Manager™ software and conduct Emergency Responder Health Monitoring and Surveillance™ in person trainings.
- Publish a manuscript addressing research needs on the use of insecticides in airplanes for mosquito-borne diseases.
- Complete an exposure assessment pilot study of animal caretakers potentially exposed to an outbreak of avian influenza in cats.

DEPARTMENT OF HEALTH AND HUMAN SERVICES Center for Disease Control and Prevention National Institute for Occupational Safety and Health

- Develop infrastructure to quickly start research during responses, including a rapid research protocol; forming a disaster science research institutional review board; developing capacity for rapid and robust ethical review; and developing processes for rapid determination, administration, and review.
- Develop a NIOSH topic page on radiation to provide key messages, resources, and guidance.

At-A-Glance

The Emergency Preparedness and Response Office integrates occupational safety and health into emergency responses and during planning to protect response and recovery workers. This snapshot shows recent accomplishments and upcoming work.

Zika Virus Factsheets

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About Zika			
mosquito (Ae. aegypti a			
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		About Zika	
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	Train workers ab	Zha can also be transmitted during sea and I can be respectively a	
	Train supervisor Provide interf.m.		
story washing by party	excelyphin or pr	mild symptoms. The most common symptoms are lever, rash, joint pain,	
	 Provide workers skin. Cossider p 		
	 In hot weather, a heat-related line 	Workers at Risk	
	· Get rid of or eng	Warkers at r6K for Zika include those that are	
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	sexual pattern w	A Developing and the	
	to Zite vices		
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		 Train supervisors and workers on socignizing the symptoms of 28a. 	
		 Keep all conditioning at a comprisible temperature to clocourage workars from opening windows. This will prevent monguitoes from extering baildings. Provide notement on open windows and onors. Do not 	
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	CONSERVE CONSERVED IN	 Je g, tires, buckets, barrelisi and by using an autotor insecticide spray. Consider allowing faxibility in required travel to areas with Zika for workets who are concerned about Zika. 	
	CONTRACT CONTRACTOR	 Consider anothing instances in apparent service and were prior to instances which are converting access prior Virus reconsume 	
		Specific Guidance	
		 Fytor business includes outdoor workers, additional controls and presention are recommended, see <u>Zhir</u>. Protecting Dubloor Workers from Occupational Excessive. 	
		 Eyes r business includes healthcare and laboratory workers, additional controls and prevention are recommended, see Ziez, Protecting Healthcare and Laboratory Women from Occapational Exposure 	
		 Employees and workers in travel-wated specafore (e.g., ait free, outworked) about review ODC guidance for travels areas with Zike for additional ecommendations. 	
			U.S. Department of Health and Human Services Content for Disease Control and Provention
	. i	California (Berniaes), 2014	
	Time	line of Select EPRO Responses	

2016	 Zika Flint Water Contamination Radiation Exposure at a Scrap Metal Facility
2015	 Ebola High Pathogenic Avian Influenza Investigation of <i>Burkholderia pseudomallei</i>
2014	 Ebola Nontransplant Anatomical Donation Center Investigation CDC Laboratory Anthrax Response
2013	 Paulsboro Train Derailment and Chemical Release Ricin Letters Middle East Respiratory Syndrome Coronavirus
2012	 Hurricane Sandy Polio U.S. Presidential Nominating Conventions

To learn more, visit https://www.cdc.gov/niosh/programs/ epr/

