NIEHS Ebola Biosafety and Infectious Disease Response Worker Training Program
A Multisector, All-Hazards Approach to Biosafety Preparedness
Training Delivery 2017-2019
NIEHS Ebola Biosafety and Infectious Disease Response Worker Training Program (IDR WTP)

- Build federal capacity for biosecurity, biopreparedness, and rapid response to emerging infectious diseases.
- Develop an infrastructure of trainers and organizations who can be a resource during emergencies.
IDR WTP Three Year Totals
June 1, 2016 – May 31, 2019

1,716 Courses Delivered

36,060 Workers Trained

145,709 Contact Hours

NOTE: 2020 training delivery under No-Cost Extensions not included in totals
Wide Variety of Occupational Sectors Trained
IDR WTP, 2017-2019

Health Care Workers, Faculty, and Students
Emergency First Responders
Construction Trades and Workforce Development
Death Care
Military
Disaster Preparedness, Response, and Recovery
Airline and Airport Workers
Public Health Workers
Environmental Service Workers, Sanitation Workers, and Domestic Cleaners
Occupational Health and Safety Professionals
Nail Salon Technicians
Homeless Outreach and Substance Abuse Prevention Workers
Program Grantees

• Each grant supports a consortium with subgrants to expand their reach to more states and worker populations

• Eight primary grantees
  – Biosafety and Infectious Disease Training Initiative at Indiana University Bloomington
  – Deep South Biosafety WTP at The University of Alabama at Birmingham
  – Duke Infectious Disease Response Training Program at Duke University
  – Emory Ebola Biosafety and Infectious Disease Response WTP at Emory University
  – International Chemical Workers Union Council Center for Worker Health and Safety Education
  – Laborers’ International Union of North America (LIUNA) Training and Education Fund
  – New Jersey/New York (NJ/NY) Hazardous Materials Worker Training Center at Rutgers University
  – United Steelworkers Tony Mazzocchi Center

• Next slides: Example training program from each grant
United Steelworkers Tony Mazzochi Center
Infectious Disease Train-the-Trainer
Communication Workers of America members
Queens - New York City, New York
Duke Infectious Disease Response Training - Duke University
Infectious Disease Operations
District of Columbia Fire and Emergency Medical Services
Washington, DC
International Chemical Workers Union Council
Infectious Disease Awareness
Pre-apprenticeship students, Cypress Mandela Training Center
Oakland, California
Biosafety and Infectious Disease Training Initiative - Indiana University Bloomington
Opioids and Associated Infectious Diseases
Deerfield Park District employees
Deerfield, Illinois
Deep South Biosafety Worker Training Program - The University of Alabama at Birmingham
Infectious Disease Operations and Train-the-Trainer
Alabama State Mortuary Operations Response Team
Tuscaloosa, Alabama
LIUNA Training and Education Fund
Pathogen Safety Data
LIUNA members
Long Island City, New York
NJ/NY Hazardous Materials Worker Training Center - Rutgers University
PPE for Infectious Diseases
Health sciences professionals and students, Universidad Metropolitana, San Juan, Puerto Rico
Year 2 of IDR WTP had the highest number of workers trained and contact hours.
Number of Contact Hours Delivered
IDR WTP, 2017-2019

- Infectious Disease Awareness: 56,869
- Infectious Disease Operations: 29,891
- Site Worker Refresher: 15,896
- Community-Level Inf. Dis. Awareness: 15,651
- Infection Control Risk Assessment: 8,524
- Infectious Disease Trainer Refresher: 5,226
- Infectious Disease Awareness TtT: 4,008
- Infectious Disease Operations TtT: 3,632
- PPE Awareness: 2,596
- Resiliency: 1,134
- Training Methods/Trainer Development: 852
- Opioids/Drug Response Safety Awareness: 602
- Pathogen Data Safety: 546
- Infectious Disease Worker Refresher: 227
- Blood Borne Pathogen Awareness Course: 55
Percentage of Contact Hours by Course Categories
IDR WTP, 2017-2019

- Awareness & Refreshers: 62.7%
- Infectious Disease Operations: 20.5%
- Trainer Development: 9.4%
- Other: 7.4%
Percentage of On-line Only Course Delivery
IDR WTP, 2017-2019

- 24% of courses
- 38% of workers
- 11% of contact hours

- 100% were 1-4 hours
- 79% were 1 hour
There is less motivation from organizations when highly infectious pathogens are not in the news.

“The threat of high consequence infectious disease exposure is always present, but public and employer interest in providing dedicated education and training can wane absent a high visibility public health emergency.”

“…both the general worker who may casually come into contact with pathogens and the worker who may respond to a disaster or highly hazardous situation tend to disregard opportunities for training until it becomes necessary...”
It is difficult for organizations and workers to commit to the longer courses that are needed for operations-level training. In some cases, it is even difficult for them to commit to the shorter awareness-level training.

“Feedback from many organizations that did accept our trainings last year stated they thought the topic of biosafety and infectious disease was important, but they could not afford for their workers to attend a full-day or multi-day training.”

“Some populations strongly desire training and yet can’t access it even when it is available. This cannot easily be solved, as work obligations limit opportunities.”
Length of Courses – *Excluding On-line Only*

IDR WTP, 2017-2019

- 24% of courses are 1 Hour or 2-3 Hours long.
- 66% of courses are 4-5 Hours long.
- 10% of courses are 6-7 Hours long.
Sustainability Achievements

- Permanent integration of curriculum into health care or EMS training program requirements or options.
- Certification of training courses by various continuing education organizations.
- Integration and availability of modules and content under other hazardous waste worker and emergency response training programs, as employers request.
Resources

2018 program report
https://www.niehs.nih.gov/careers/hazmat/training_program_areas/ebola/index.cfm

Infectious Diseases resources page from the Clearinghouse
https://tools.niehs.nih.gov/wetp/index.cfm?id=2554

Curricula available from the Clearinghouse Curricula Catalog
https://tools.niehs.nih.gov/wetp/index.cfm?id=603