

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



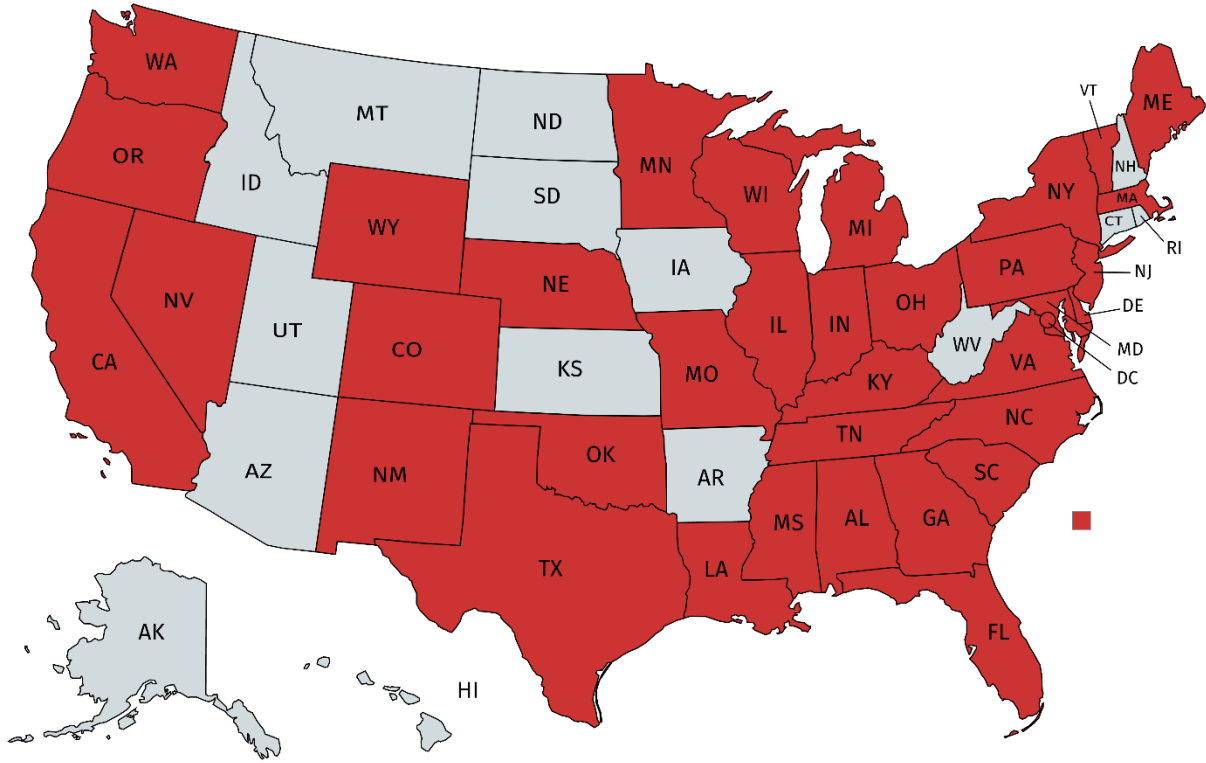
Nail Salon
Technicians



Homeless Outreach and Substance
Abuse Prevention Workers

Training Delivery in 36 States and 1 Territory

IDR WTP, 2017-2019



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Guam	Northern Mariana Islands	Puerto Rico
American Samoa	United States Virgin Islands	

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

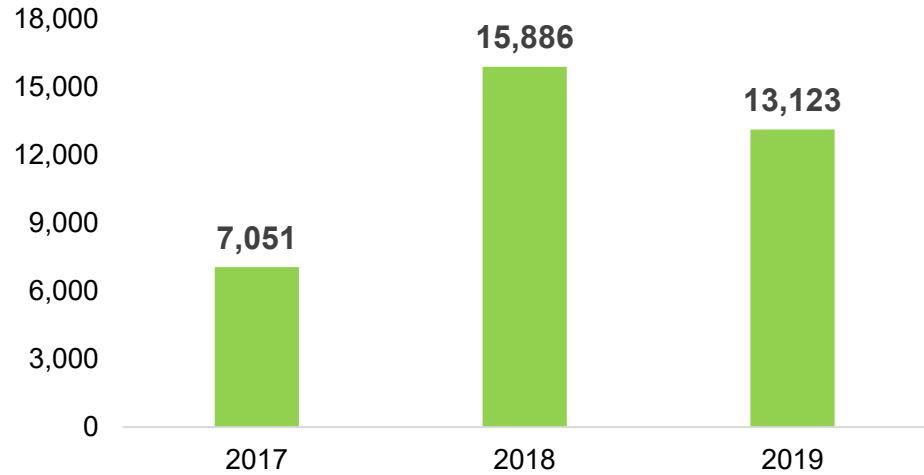


**Emory Ebola Biosafety and
Infectious Disease Response WTP
- Emory University
Infectious Disease Operations
EMS and First Responders
Atlanta, Georgia**

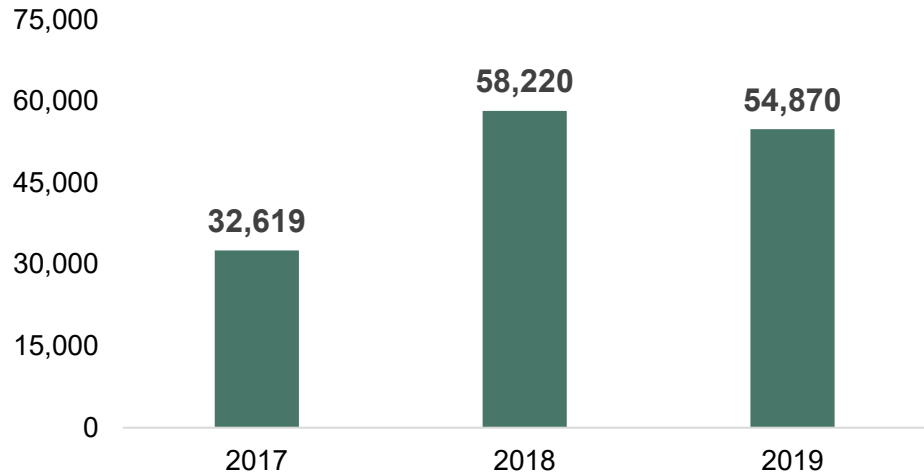


**Year 2 of IDR WTP
had the highest
number of workers
trained and
contact hours**

Workers Trained

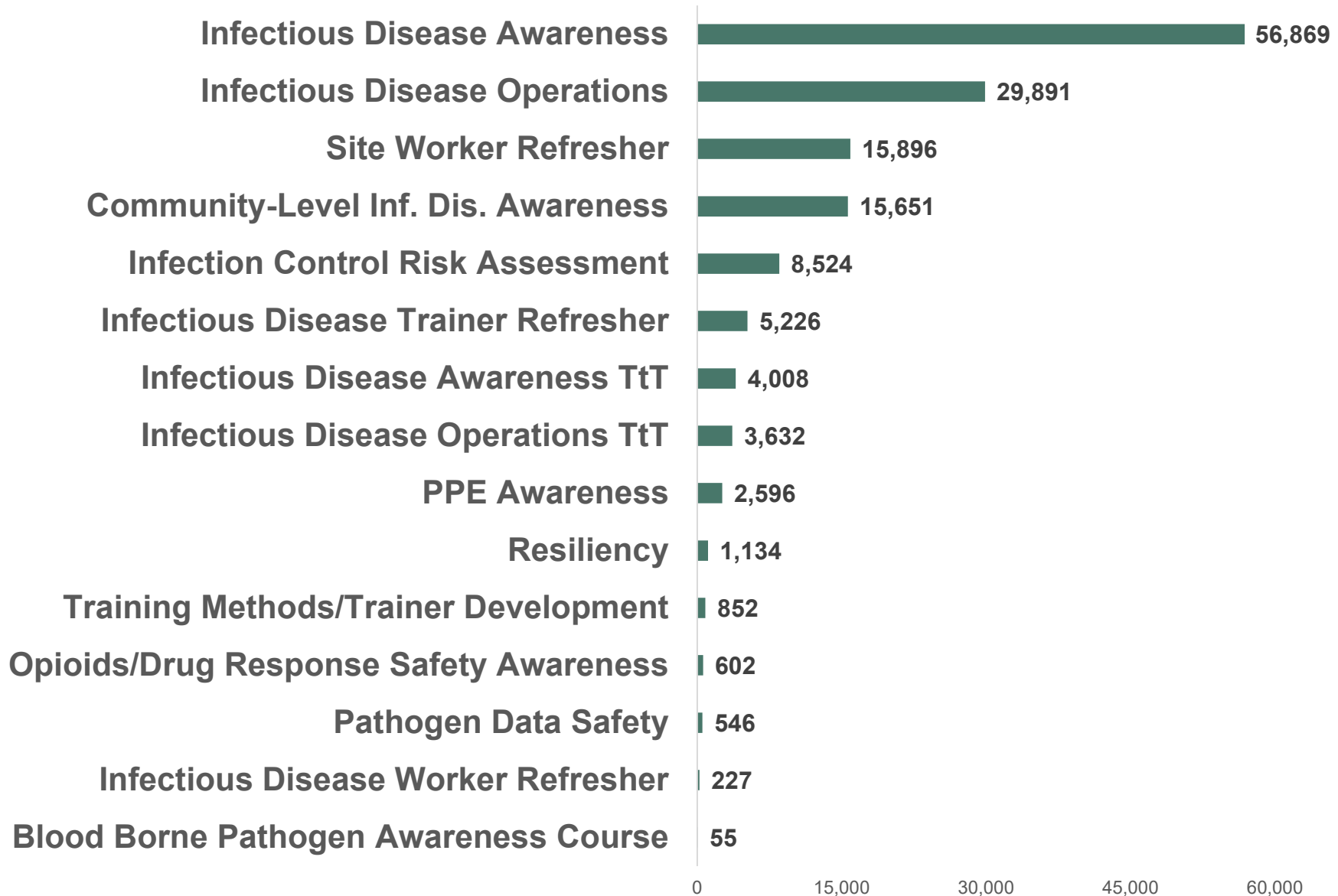


Contact Hours



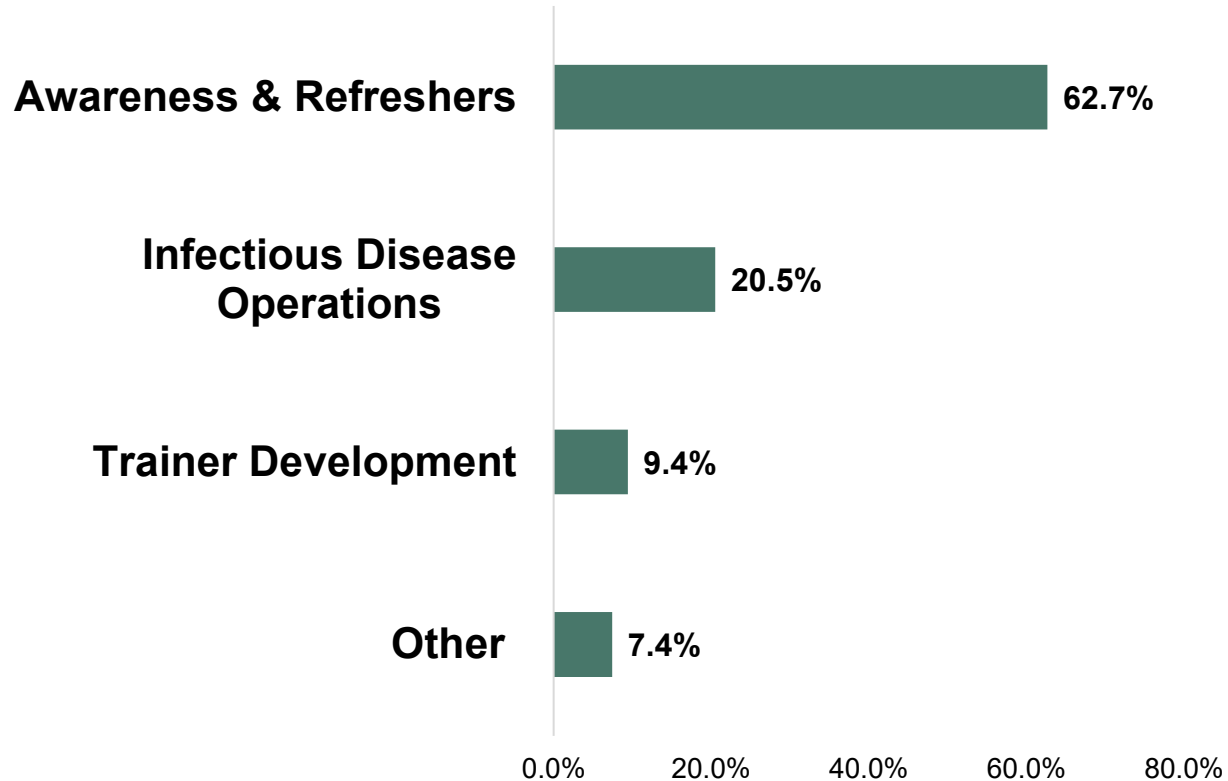
Number of Contact Hours Delivered

IDR WTP, 2017-2019



Percentage of Contact Hours by Course Categories

IDR WTP, 2017-2019



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

Common Challenges

IDR WTP, 2017-2019

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...**”



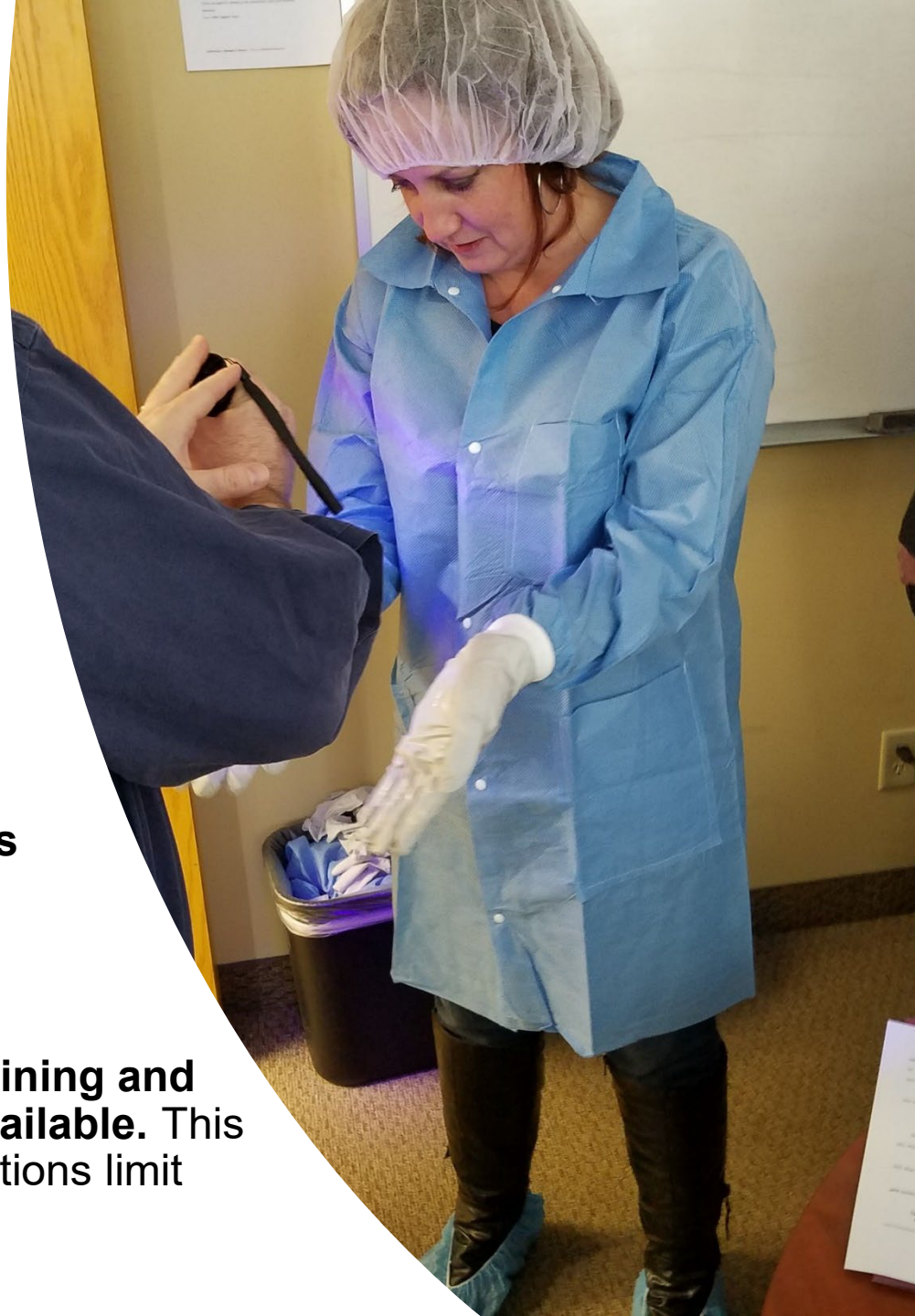
Common Challenges

IDR WTP, 2017-2019

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.

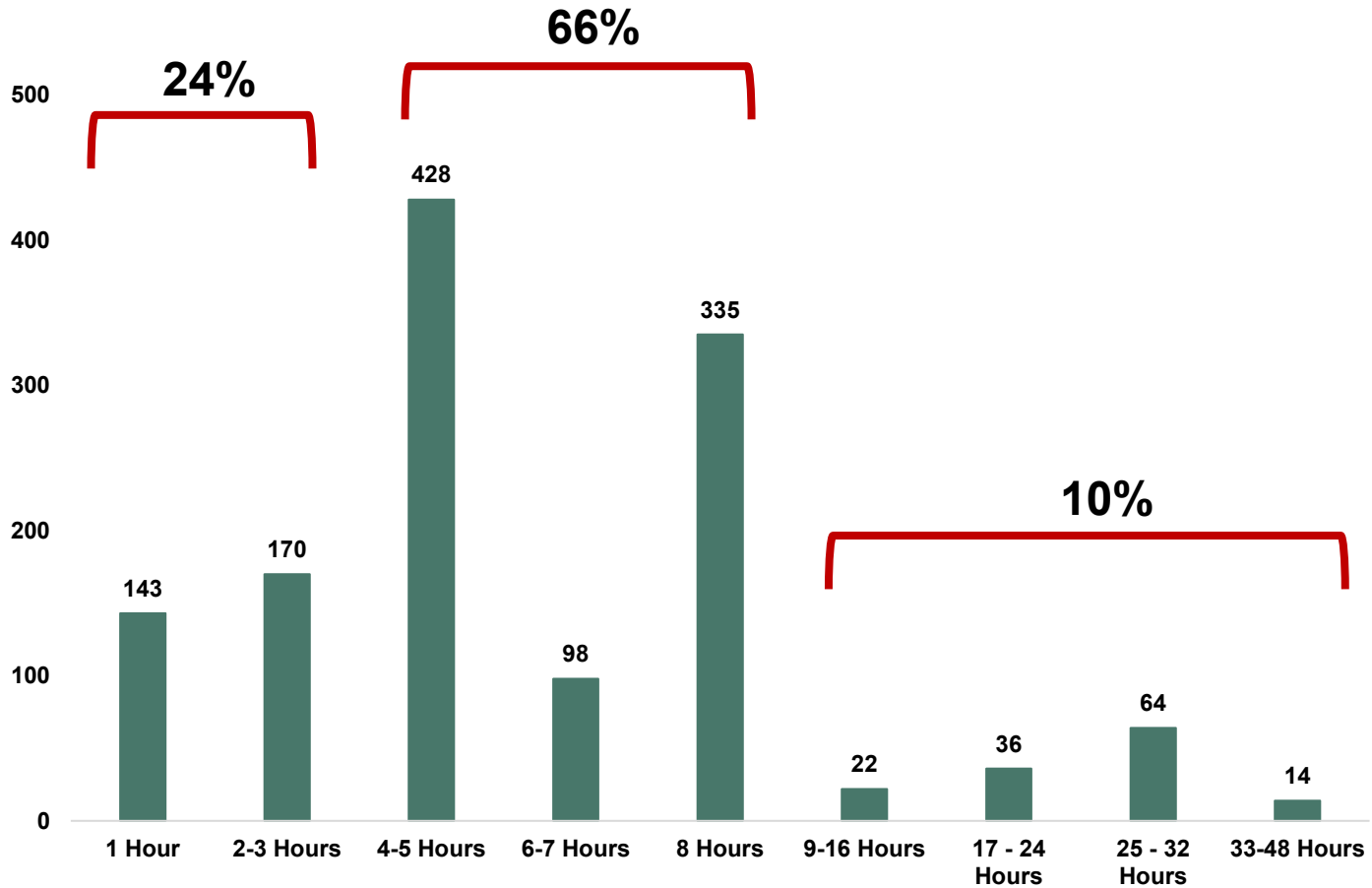
“Feedback from many organizations that did accept our trainings last year stated they thought **the topic of biosafety and infectious disease was important, but they could not afford for their workers to attend a full-day or multi-day training.**”

“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



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>