



FRONT LINES OF DEFENSE FOR INFECTIOUS DISEASES

NIEHS WORKER TRAINING PROGRAM 2016 FALL
AWARDEE MEETING AND WORKSHOP

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Resilient People. Healthy Communities. A Nation Prepared.

What Have We Accomplished?

- Did we prevent its spread?
- Did we save lives?
- Did we build a system?



Ebola and Other Special Pathogens

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Ebola and Other Special Pathogens





The Future: A Predictable Surprise

Surprise

- SARS
- MERS
- Ebola
- Zika

Surprise

- ????????
- ????????
- ????????
- ????????





Which Predictable Surprises Matter?

- Unknown (especially)
- Spread rapidly
- Kill economies
- Kill people

Front Lines of Defense



Front Lines of Defense



Front Lines of Defense



Front lines of defense



Front Lines of Defense



Front Lines of Defense

- Entertainment & Sports (Bowling alley)
- Transportation (Subway)
- Transportation (Airplane)
- Waste management
- Health care workers
- ***SOME PREDICTABLE, SOME NOT***



What About The Next Surprise?

- “The only thing you have to fear is fear itself”
- Dealing with uncertainty



Dealing With Uncertainty

Bridging the science of infection prevention and control into occupational health and safety sectors

- Rapidly acquire knowledge
- Package knowledge quickly
- Disseminate knowledge quickly
- Train quickly (*JUST IN TIME*)



Rapidly Acquire Knowledge



Package and Disseminate It

- ASPR TRACIE
 - Technical Resources, Assistance Center, and Information Exchange (TRACIE)
 - www.ASPRtracie.hhs.gov
- NETEC
 - National Ebola Training & Education Center
 - Collaboration among Emory, Nebraska, and Bellevue funded by ASPR and CDC
 - www.netec.org



Train Quickly – *Just In Time*

Station 4: Donning High-Risk PPE



* Photo: James Gathany, CDC

Expect the knowledge to change

- What you trained for last time – may not work this time
- BE FLEXIBLE
- ADAPT
- THEN ADAPT AGAIN



FRONT LINES OF DEFENSE

- *First line of defense... that may be you*
- *Learn new knowledge... just in time*
- *Surprises are predictable... be flexible, adapt*



Front Lines of Defense



- Keynote address to provide an overview of the infectious disease preparedness efforts in the United States, building resources and national capacity for frontline workers and bridging the science of infection prevention and control into occupational health and safety sectors.

