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Ebola Case Study
NIEHS - WTP

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Objectives

A 10 minute presentation:

- Describe the development of a unique capability for management of patients with serious communicable diseases
- Articulate the importance of relationship between practitioners and educators
- Discuss a strategy to guard against competency degradation

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Maintenance of a capability for a dozen years

Biosafety

Development and implementation of:

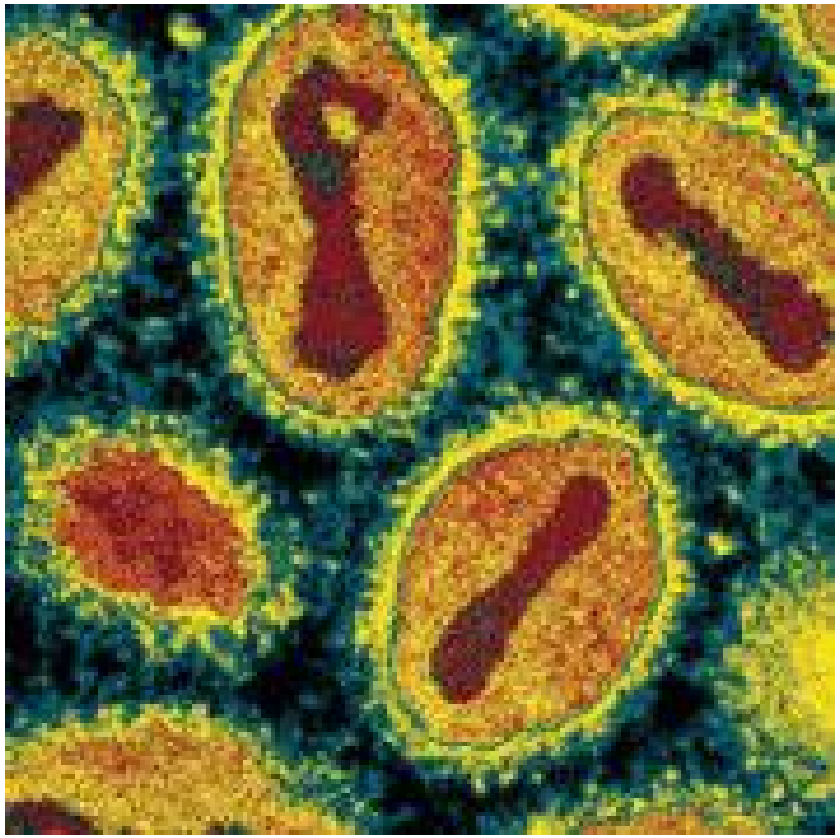
- administrative policies
- work practices
- environment design
- safety equipment

to prevent transmission of biological agents to workers, other persons and the environment

education – training – competencies

Education and Training Serious Communicable Pathogens

- Epidemiology of illness
- Natural disease course
  - Incubation
  - Signs and symptoms
  - Transmission
  - Recovery
- Vaccine/prophylaxis/PEP
- Treatment
- Preventing transmission/infection control



Education and Training Serious Communicable Pathogens

- Donning and doffing of PPE
- Decontamination of biohazard spills
- Disinfection of environmental surfaces
- Proper waste management
- Special procedures and equipment

Team Work

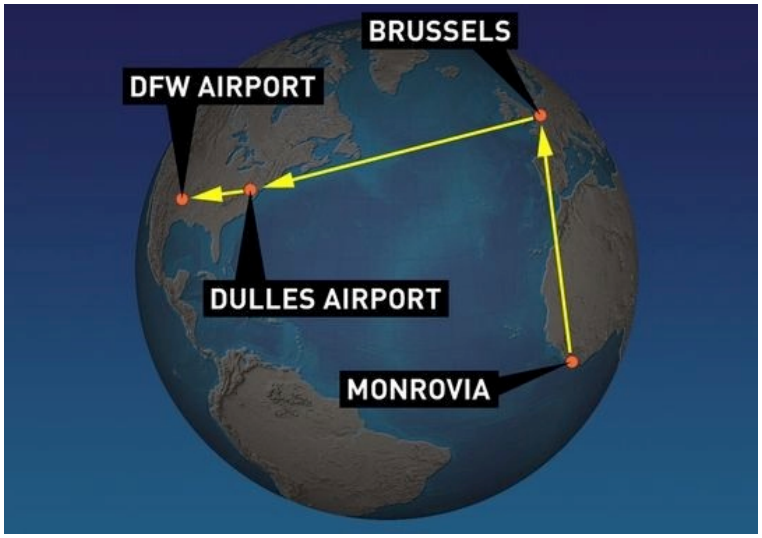
- Nursing
- Pharmacy
- Health and Safety
- Infection Control
- Environmental Services
- Medical Labs
- Occupational Health
- Administration
- Communications
- Pastoral Care
- Supplies/Logistics
- Security
- Infectious Diseases
- Critical Care
- Emergency Medicine/EMS

TIME

HEALTH EBOLA

Emory Hospital Will Treat Ebola Patient

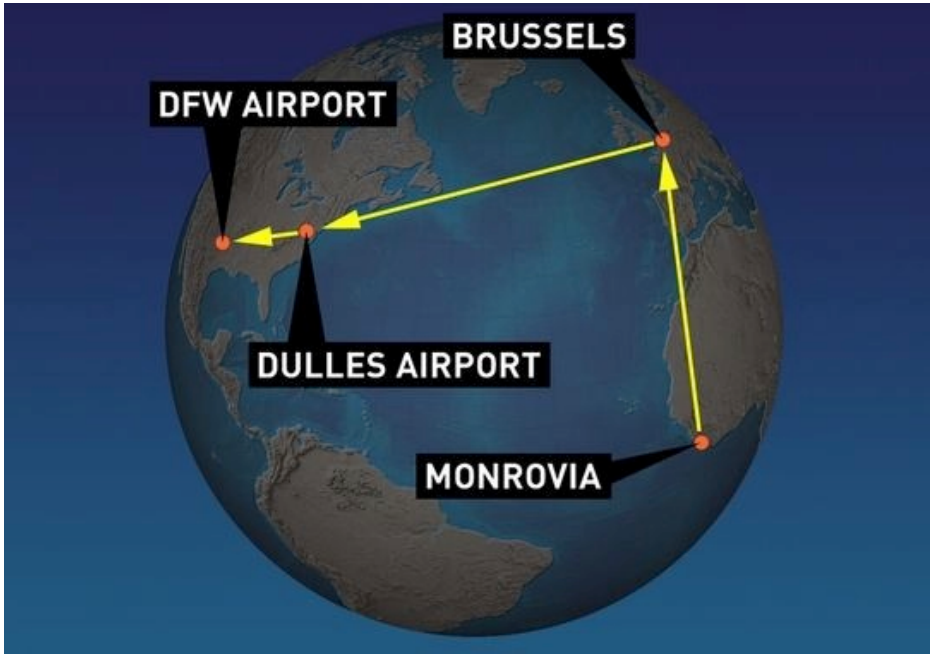
Eliana Dockterman @edockterman | July 31, 2014



Education of the public

Practice informs education and training

- Risk assessment informs procedures
  - PPE selection
    - CDC recommended standard + transmission
    - Risk of exposure to bodily fluids
    - Operating environment
    - Existing competencies
- Competency degradation
  - Observation/supervision


BRUSSELS
DFW AIRPORT
DULLES AIRPORT
MONROVIA

IN CASE OF
EMERGENCY
Call 911

Reflections

- Knowledge and understanding is the best antidote for fear
- Experience is the best teacher – nurture the practitioner-educator relationship
- Good guidelines and good judgment are needed for safe practice
- Observed/supervised practice can guard against competency decay

Questions?

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