Objectives

• Intro to NETEC
• Overview of activities
• Key Partners
The Tiered System

Preparing U.S. Hospitals for Ebola

CDC has developed a strategy to help healthcare facilities and state health officials prepare for patients with possible or confirmed Ebola. This strategy identifies which hospitals will provide different levels of care for patients being assessed and treated for Ebola.

Frontline Healthcare Facility
- Quickly identifies and isolates patients with possible Ebola
- Identifies facility infection-control and public health officials
- Has enough Ebola personal protective equipment (PPE) for at least 12-24 hours of care
- Transfers patient if needed
- Ensures staff are appropriately trained and have documented competency to use PPE properly

Ebola Assessment Hospital
- Safely assesses and isolates a patient with possible Ebola
- Provides immediate laboratory evaluation and coordinates Ebola testing
- Care for a patient for up to 5 days
- Monitors patient for progression or management of illness
- Transfers patient to an Ebola treatment center in consultation with public health officials
- Have systems in place to safely manage waste disposal, cleaning and disinfection

Ebola Treatment Center
- Safely receives and isolates a patient with confirmed Ebola
- Cares for patients with Ebola for duration of illness
- Has enough Ebola PPE for at least 7 days of care (will restock as needed)
- Has enough Ebola PPE for up to 30 days of care
- Ensures staff are appropriately trained and have documented competency to use PPE properly
- Cares for patients with Ebola for duration of illness
- Monitors patient for progression or management of illness
- Transfers patient to an Ebola treatment center in consultation with public health officials
- Adheres to infection control protocols

All of the hospitals will be prepared to do the following:
- Have systems in place to safely manage waste disposal, cleaning and disinfection
- Adhere to infection control protocols

In some cases, a hospital should be prepared to serve in more than one role. Hospitals may serve simultaneously as an Ebola assessment hospital and an Ebola treatment center. Patients may be transferred between facilities based on the patient's needs.

*Please refer to the CDC's website at: http://www.cdc.gov/vhf/ebola/hospital/prepareforhospitals.html
June 12: ASPR announced selection of 9 Regional Ebola and Other Special Pathogen Treatment Centers

ASPR/HPP will initially provide $20 million this year, and an additional $9 million over the next four years to sustain the facilities’ readiness.

Each Regional Center will receive $3.25 million over the full five-year project period.
# Health Care Preparedness: Past, Present, and Future

## Past
(CDC Contract)
- Since Dec. 2014, Emory and Nebraska have provided training to **460+** health care workers from **87** health care systems, including **37** designated ETCs
- Trainings covered aspects of infection control and patient care for individuals with Ebola

## Present
(CDC Contract)
- Emory and Nebraska are offering additional training opportunities for up to **400** staff from Ebola assessment hospitals
- Training is free and some travel costs are covered with HPP grant funds

## Future
(NETEC)
- Over the next 5 years, NETEC will offer Regional ETCs, ETCs or assessment hospitals, and state and local health departments support in enhancing their capabilities
- Support includes expertise, education, training, technical assistance, peer review assessments, and recognition reporting
NETEC Provides Support for Ebola Preparedness

- July 1: ASPR and CDC announced the establishment of the National Ebola Training and Education Center (NETEC)

- ASPR and CDC will provide $12 million over the next 5 years to support NETEC

  - NETEC is comprised of hospitals that have successfully evaluated and treated patients with Ebola in the U.S.
Faculty

Organizing Faculty
Bruce Ribner, MD MPH Medical Director, Emory Serious Communicable Diseases Unit
John Lowe, Ph.D. Director of Research, Nebraska Biocontainment Unit
Chris Kratochvil, MD, Associate Vice Chancellor of Clinical Research, University of Nebraska Medical Center
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Alex Isakov MD, Emory; Emergency Medicine
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Evaluation Core
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JoAnna Hillman, MPH; Emory: Director of Research and Evaluation, Centers for Training and Technical Assistance
Wael ElRayes, MD Nebraska: Department of Environmental, Agricultural and Occupational Health
NETEC Activities

Through the five-year project period and in collaboration with ASPR, CDC and other stakeholders, the NETEC will:

1) Develop metrics to measure facility and healthcare worker readiness to care for patients with Ebola virus disease

2) Conduct peer review and readiness assessments of regional Ebola Treatment Centers and state designated hospitals

3) Create and maintain a comprehensive suite of educational materials (e.g., curricula, just-in-time training, templates, train-the-trainer modules, tools simulations, online resources, webinars) for policies and procedures related to care of patients with possible Ebola

4) Launch a (NETEC.org) repository of resources for healthcare facilities

5) Support public health departments and healthcare facilities through the provisions of training and technical assistance

Subject Matter Expertise

• Access to range of experts from all 3 institutions. Experts have content knowledge in clinical care to infection control, workflow, special populations, healthcare worker monitoring, PPE to waste management and much more.

• Subject matter experts have all had direct experience in successfully caring for patients with Ebola virus disease and have real-world knowledge, tools, and expertise to share.
Describe the knowledge, technology, equipment and controls needed to prepare hospitals to receive and care for patients with suspected or known Ebola Virus Disease

Discuss organizational and administrative policies that must be developed and implemented by Ebola assessment and treatment hospitals in order to increase capability to receive and care for a patient suspected with Ebola Virus Disease

Describe patient care protocols that have been successfully utilized for the care of patients with Ebola Virus Disease

Demonstrate appropriate Personal Protective Equipment (PPE) selection and donning /doffing based upon the condition of the patient

Discuss environmental infection control protocols for handling waste and infectious fluids from a patient with suspected or confirmed Ebola Virus Disease

Describe an effective healthcare worker monitoring plan

Describe state and regional preparedness plans for patients suspected with Ebola or another seriously communicable disease
Key collaborations

- **Internal:** Nebraska, Emory, New York
- **Funders:** ASPR and CDC
  - Hospital Preparedness Program
  - Healthcare Preparedness Activities
  - National Center for Emerging Zoonotic Infectious Disease
- **External:**
  - National Association of State EMS Officials,
  - OSHA
  - State and city public health
  - ??WTP awardees??
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