

# NETEC

National Ebola Training  
& Education Center

## National Ebola Training and Education Center (NETEC) Partnerships

September 21, 2016

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EMORY  
MEDICINE

University of Nebraska  
Medical Center



Nebraska  
Medicine

HHC NEW YORK CITY  
HEALTH AND  
HOSPITALS  
CORPORATION  
Bellevue  
SOUTH MANHATTAN HEALTHCARE NETWORK

*Funded by ASPR & CDC*



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# Objectives

- Intro to NETEC
- Overview of activities
- Key Partners

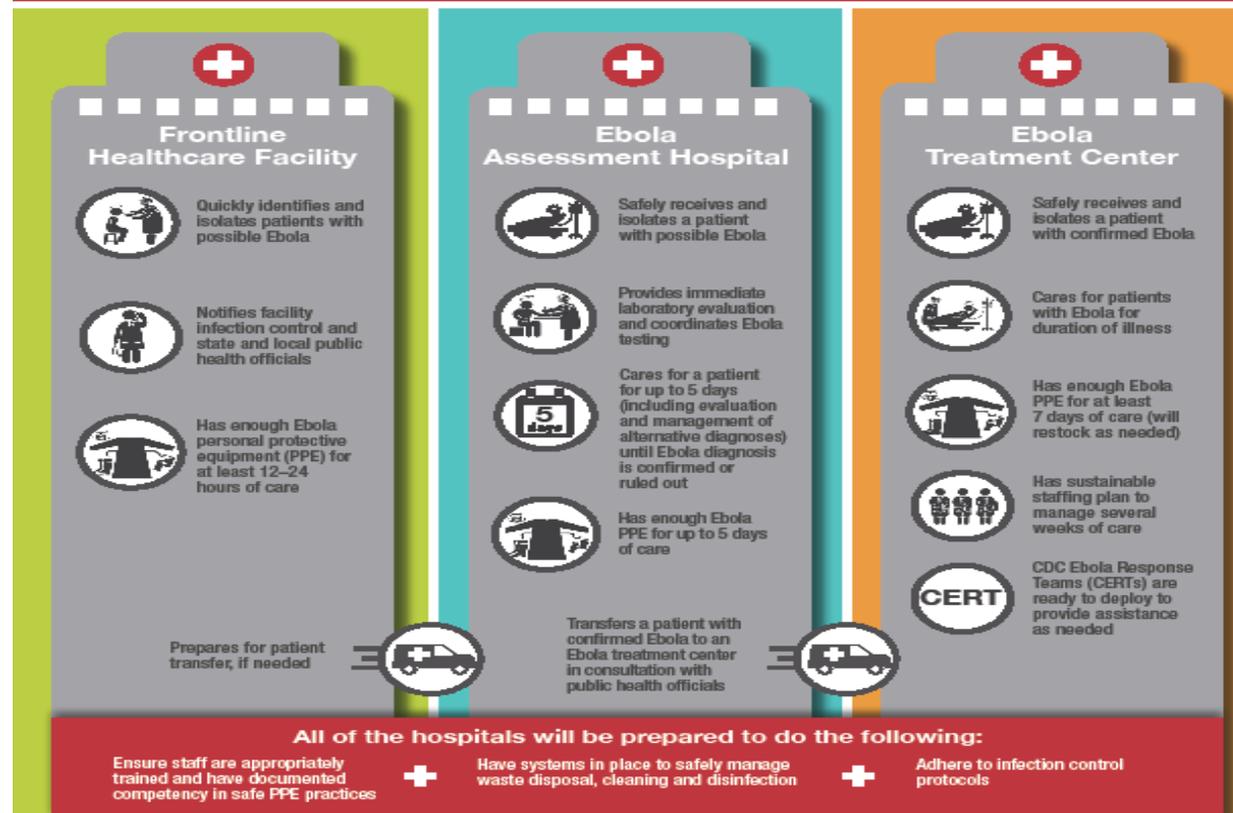
# The Tiered System

## Preparing U.S. Hospitals for Ebola



U.S. Department of Health and Human Services  
Centers for Disease Control and Prevention

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.



*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 state's plan.*

\*View Interim Guidance at: <http://www.cdc.gov/whf/ebola/healthcare-us/preparing/hospitals.html>

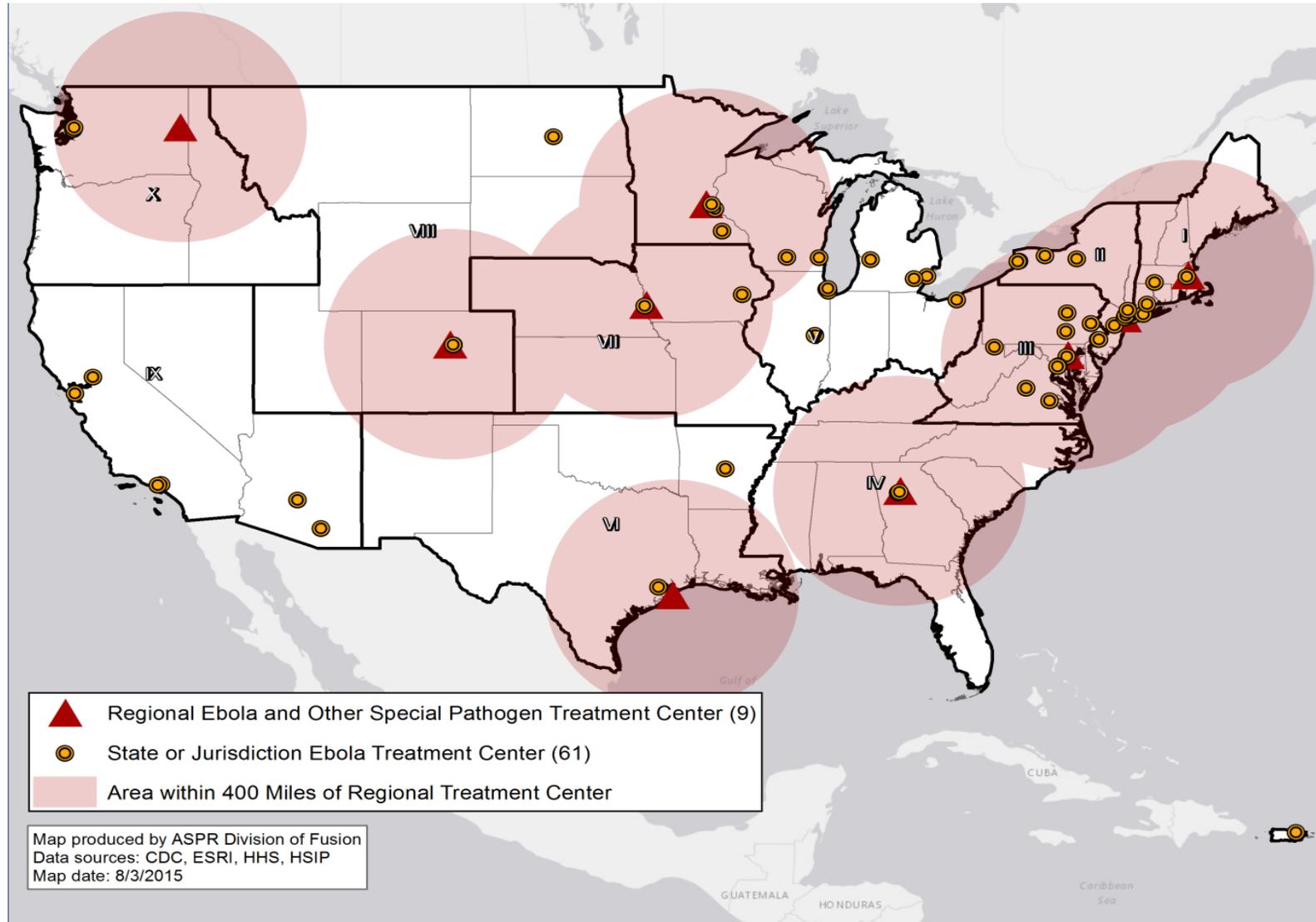
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## HHS Regional (& State) Ebola and other Special Pathogen Treatment Centers



# HHS Ebola and other Special Pathogen Treatment Network



# HHS Ebola and other Special Pathogen Treatment Network

- 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



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# 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.

A collaboration between



EMORY  
MEDICINE



UNMC  
Nebraska  
Medicine

NYC  
HEALTH+  
HOSPITALS

And funded by

Bellevue



# 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

Laura Evans, MD MSc Medical Director of Critical Care; NYC Health + Hospitals / Bellevue

## Faculty and Support Staff

Elizabeth Beam, PhD, RN; Nebraska: Education and Training, Nebraska Biocontainment Unit

Emily Beck, APRN BC Emory; Clinical Lead Nurse Practitioner for Occupational Injury Management

Sonia Bell Emory; Program Coordinator, Serious Communicable Diseases Unit

Kate Boulter, RN Nebraska; Nurse Manager, Nebraska Biocontainment Unit

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Ted Cieslak, MD Nebraska; Medical Co Director Nebraska Biocontainment Unit

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Hackman, BSN, RN Emory; Director, Infection Prevention

Angela Hewlett, MD Nebraska; Medical Co Director, Nebraska Biocontainment Unit

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Charles E Hill, MD, PhD Emory; Director, Molecular Diagnostics Laboratory

John P Horton, MD Emory; Associate Director of Clinical Operations, Division of Obstetrics and Gynecology

Alex Isakov MD, Emory; Emergency Medicine

Pete Iwen, MS PhD Nebraska; Director of Public Health Lab

Matthew Klopman, MD, Emory; Anesthesiology

Colleen Kraft, MD Emory; Assistant Professor of Medicine and Pathology Medical Director of the Microbiology Laboratory

Nathan Link, MD; NYC Health + Hospitals / Bellevue; Medical Director

Marshall Lyon, MD MSc, Emory

Syra Madad, DHSc, MS, MCP; NYC Health + Hospitals; Director, Ebola & Special Pathogen Preparedness and Response

John Maher, Esq., NYC Health + Hospitals / Bellevue; Director, Special Pathogens Program

Aneesh K Mehta, MD Emory; Assistant Professor of Medicine, Assistant Director of Transplant ID

Esmerelda Meyer, Emory; Biosafety

~~Kate Moore, DNP RN, Emory~~

Jill Morgan, RN Emory; Lead Training Nurse, Serious Communicable Diseases Unit

Kelly Nadeau, MN, RN GA DPH; Healthcare Community Preparedness Director

Kalpana Rengarajan, PhD MPH RBP Emory; Associate Director Environmental Health and Safety Office

Sam Shartar, RN, Emory

Shelly Schwedhelm, MSN, RN, NEA BC Nebraska; Executive Director, Emergency Preparedness and Infection Prevention

Andi Shane, MD, MPH, MSc Emory; Assistant Professor, Pediatrics

Kari Simonsen, MD Nebraska; Pediatric Infectious Diseases

Patricia Tennill, RN, NYC Health + Hospitals / Bellevue; Lead Nurse, Special Pathogen Unit

Sharlene Toney, RN, Emory

Sharon Vanairsdale, MS, APRN, ACNS BC, NP C, CEN Emory; Program Director, Serious Communicable Diseases Unit

Angie Vasa, RN Nebraska; Lead Nurse, Nebraska Biocontainment Unit

## Evaluation Core

Sara Anderson Fiore, MPH, CHES Emory: Senior Public Health Program Associate, Centers for Training and Technical Assistance

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
- 6) Ebola Preparedness Courses to be held in November 2016, January, February, March and April 2017.



# 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



# Example Course Learning Objectives

- 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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