



# Identify, Isolate, Inform

Ebola Preparedness:

A CDC/Joint Commission Webinar

**Thursday, October 30, 2014**



# Ana Pujols McKee, M.D.

## Executive Vice President and Chief Medical Officer



Dr. McKee represents The Joint Commission enterprise as she focuses on and develops policies and strategies for promoting patient safety and quality improvement in health care. Her responsibilities include providing support to The Joint Commission's Patient Safety Advisory Group; overseeing work related to the development of the Sentinel Event Policy, National Patient Safety Goals and Sentinel Event Alerts; supervising the Sentinel Event Database; and overseeing the functions of the Standards Interpretation Group and the Office of Quality Monitoring. Dr. McKee also provides clinical guidance and support to the Joint Commission Center for Transforming Healthcare, Joint Commission Resources and Joint Commission International.

# Abbigail Tumpey, M.P.H. CHES



Abbigail Tumpey is the Associate Director for Communications Science at CDC's Division of Healthcare Quality Promotion. Abbigail handles communications for CDC's healthcare safety issues including: healthcare-associated infections; blood, organ and other tissue safety; medication safety; and vaccine safety. Her team is responsible for communications for the National Healthcare Safety Network and numerous patient safety campaigns. Abbigail has been at CDC for 15 years and spent the first 4 years working as a microbiologist. During her time at CDC, Abbigail has spearheaded education programs for diseases such as rabies, poxviruses, tickborne rickettsial diseases, and viral hemorrhagic fevers. Abbigail has played a lead role in CDC's communications during numerous outbreak responses, including the recent multistate outbreak of fungal meningitis and other infections. Abbigail received a Bachelor's of Science from Michigan State University and a Masters of Public Health from University of South Florida.

# Sridhar Basavaraju, M.D. FACEP



Medical Officer,  
Division of Healthcare Quality  
Promotion, National Center for  
Emerging and Zoonotic Infectious  
Diseases

Centers for Disease Control &  
Prevention (CDC)

# Clifford McDonald, M.D.



Dr. McDonald graduated from Northwestern University Medical School, completed his Internal Medicine Residency at Michigan State University, and an Infectious Diseases Fellowship at the University of South Alabama, following which he completed a fellowship in Medical Microbiology at Duke University. Past positions have included Associate Investigator at the National Health Research Institutes in Taiwan and Assistant Professor in the Division of Infectious Diseases at the University of Louisville. Dr. McDonald is a former officer in the Epidemic Intelligence Service and former Chief of the Prevention and Response Branch in the Division of Healthcare Quality Promotion at the CDC where he currently serves as the Senior Advisor for Science and Integrity in the same division. He is the author or co-author of over 100 peer-reviewed publications with his main interests in the epidemiology and prevention of healthcare-associated infections, especially *Clostridium difficile* infections, and the prevention of antimicrobial resistance. Dr. McDonald is a Fellow of the American College of Physicians and the Society for Healthcare Epidemiology of America, and a member of the Infectious Diseases Society of America and American Society for Microbiology.

# Joseph Perz, DrPH, M.A.



Dr. Joseph Perz is the Quality Standards and Safety Team Leader for the Division of Healthcare Quality Promotion at the Centers for Disease Control and Prevention in Atlanta, Georgia. Dr. Perz entered the field of public health after training as an engineer and environmental scientist. After receiving a Doctorate in Public Health from Columbia University, he served as an Epidemic Intelligence Service Officer with the Tennessee Department of Health.

During his 15 year tenure with the CDC, Dr. Perz has guided dozens of outbreak investigations and special studies, drawing attention to the needs for injection safety and other basic infection control practices. He has authored or co-authored over 50 peer-reviewed journal articles, MMWR articles and book chapters. His team's activities are currently focused on interagency collaboration, support to health departments, and other partnership efforts aimed at expanding prevention and response activities across all healthcare settings.

# CDR Lisa Delaney, M.S., CIH



CDR Lisa Delaney, MS, CIH joined the National Institute for Occupational Safety and Health (NIOSH) in 1999 after graduating with a Master of Science degree in Environmental Health and Industrial Hygiene from the University of Cincinnati. CDR Delaney currently serves as the Associate Director for Emergency Preparedness and Response at NIOSH where she promotes research in the area of protecting first responders during emergencies, ensures federal response plans incorporate occupational safety and health protection measures, and coordinates NIOSH's response to emergencies. CDR Delaney directs deployment of NIOSH staff providing disaster technical assistance and leads EPRO staffing, budget, project planning and reporting, and program evaluation activities. She also serves as a senior-level technical reviewer and co-author of Institute responder safety and health policy, plans, training and exercise documents. She serves as the co-lead of the NIOSH Disaster Science Research Initiative.

CDR Delaney has responded to nearly every major domestic emergency beginning with the September 11th attacks and more recently MERS CoV. CDR Delaney has specialized in biological emergency responses with a focus on understanding the role the environment plays in disease transmission and protecting workers during these responses. She is responding to the current Ebola outbreak by serving as the Worker Health and Safety Team lead within CDC's Emergency Operation Center. This team is providing personal protective equipment expertise on appropriate selection and use of PPE for all workers; conducting heat stress and comfort measurements to assess impact of wearing PPE, and providing recommendations on ways to protect CDC and other deployed staff. CDR Delaney is a leading expert in environmental assessment of *Bacillus anthracis*, the organism causing anthrax. She has co-authored a range of anthrax guidance documents related to worker protection, sample collection procedures, and interagency sampling strategies.

# CDC's Approach to Infection Control for Ebola: Five Pillars of Safety

- **Facility leadership** provides resources and support for effective prevention precautions
- **Designated on-site Ebola site manager** oversees precautions
- Make sure there are **clear, standardized procedures**
- **Practice, practice, practice** with the option you pick
- Make sure there is **oversight of practices** and putting on and taking off of Personal Protective Equipment (PPE)



# Enhanced PPE Guidance

- Reflects lessons learned from recent experiences of U.S. hospitals caring for Ebola patients and emphasize importance of:
  - Training
  - Practice
  - Competence
  - Observation
- Ensures no ambiguity for healthcare workers caring for patients



# Personal Protection Equipment is Only One Aspect of Infection Control

It is critical to focus on other prevention activities to halt the spread of Ebola, including:

- Prompt screening and triage of potential patients
- Designated site managers to ensure proper implementation of precautions
- Limiting personnel in isolation room
- Effective environmental cleaning

# Identify, Isolate and Inform

- Take a detailed travel and exposure history with patients who exhibit symptoms of Ebola
- Activate hospital preparedness plan
- Isolate patient in separate room with private bathroom
- Ensure standardized protocols are in place for PPE
- No physical contact without appropriate PPE

## Identify, Isolate, Inform: Emergency Department Evaluation and Management of Patients with Possible Ebola Virus Disease



# Emergency Department Guidance

- Guidance for first-contact care of a potential patient with Ebola was posted October 27, 2014
- Working to ensure that every healthcare worker, regardless of the setting is receiving information about Ebola that raises level of awareness

# New PPE Recommendations

- ▶ N95 or PAPR
- ▶ Hood
- ▶ Gown / suit
- ▶ Leg / foot covers
- ▶ Double gloves
- ▶ Apron
- ▶ Footwear
- ▶ NO exposed skin
- ▶ Emphasize liquid / splatter protection
- ▶ Supply issues
- ▶ Scrubs / shower


# PPE Considerations

- 
- ▶ Supervision
  - ▶ Standardization
  - ▶ Donning process
  - ▶ Doffing process
  - ▶ Integrated hand hygiene steps

Non-CDC resources on  
CDC website:

- Emory
- University of Nebraska  
Medical Center
- Médecins Sans Frontières  
(Doctors without Borders)
- World Health Organization  
(WHO)

# PPE Considerations

- 
- ▶ Expectations in outpatient care / ED
  - ▶ Location of donning / doffing
    - Hot, warm, cold zone approach
  - ▶ PAPR concerns – disposal of materials, disinfection of unit, safe doffing, use of supplemental hood

# CDC: Training Healthcare Workers

- Numerous webinars, partner calls daily (>75,000 HCWs reached in last 2 weeks alone)
- Live event in NYC on Oct 21, LA on Nov 7 with frontline HCWs; live stream internationally
- Creating training videos for multiple topics (PPE series being released this week)
- Developing plain language messaging and materials from CDC guidance
- Partnering with many professional organizations, public-private partnerships for dissemination



**NYC Live Ebola Training Event: 5,400 in-person, 53 news outlets, and 15k-20k in 10 countries on live stream**



# Lisa Waldowski MS,APRN,CIC

## Infection Control Specialist



Ms. Waldowski has been with The Joint Commission since January 2013. Prior to joining The Joint Commission, Ms. Waldowski worked with Shriners' Hospitals for Children – Honolulu, the State of Hawaii Department of Health, and Hawaii Pacific Health in Honolulu.

Ms. Waldowski earned her MSN and PNP from The University of Hawaii – Manoa. She is certified as a PNP and as an Infection Control Practitioner.



# The Joint Commission

## Standards that Support Ebola Readiness

### October 30, 2014

Lisa Waldowski MS, APRN, CIC

Infection Control Specialist

The Joint Commission

# Objective

- ▶ At the end of this session, the participant will understand The Joint Commission's accreditation standards that are pertinent and supportive towards healthcare organization's preparation and response to patients with potential or confirmed Ebola Virus Disease (EVD)

# Emergency Management

- ▶ EM.01.01.01 Planning activities prior to developing a written Emergency Operations Plan
  - Hazards Vulnerability Analysis (HVA)
  - Communicate needs/vulnerabilities to community emergency response agencies
  - Mitigation, preparedness, response, and recovery

# Emergency Management

- ▶ EM.02.01.01 Emergency Operations Plan (EOP)
- ▶ EOP Coordinates:
  - Communication
  - Resources and assets
  - Safety and security
  - Staff roles and responsibilities

# Emergency Management

- ▶ EM.02.02.03 As part of the Emergency Operations Plan, prepare for how to manage resources and assets
- ▶ EM.02.02.07 How the organization will manage staff during an emergency

# Emergency Management

- ▶ EM.03.01.01 Evaluate the effectiveness of its emergency management activities
- ▶ EM.03.01.03 Evaluate the effectiveness of the Emergency Operations Plan

# Infection Prevention and Control

- ▶ IC.01.03.01 Identifying risks for acquiring and transmitting infections
- ▶ IC.01.05.01 Has an infection prevention and control plan
- ▶ IC.01.06.01 Respond to an influx of potentially infectious patients



# Infection Prevention and Control

- ▶ IC.02.01.01 Implements its infection prevention and control plan
- ▶ IC.02.02.01 Reduces the risk of infections associated with medical equipment, devices, and supplies

# Infection Prevention and Control

- ▶ IC.02.03.01 Prevent the transmission of infectious disease among patients, licensed independent practitioners, and staff
- ▶ IC.03.01.01 Evaluates the effectiveness of the infection prevention and control plan annually and *whenever risks significantly change*

# Environment of Care

- ▶ EC.02.02.01 Manages risks related to hazardous materials and waste
- ▶ EC.02.06.01 Establishes and maintains a safe, functional environment (EP 13 ventilation)

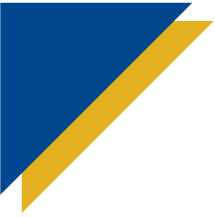
# Human Resources

- ▶ HR.01.04.01 Orientation to staff
- ▶ HR.01.05.03 Ongoing education and training
- ▶ HR.01.06.01 Staff are competent to perform their responsibilities



# Leadership

- ▶ LD.04.01.11 Complies with law and regulation
- ▶ LD.04.01.07 Policies and procedures that guide and support patient care, treatment, and services



# Nursing

- ▶ NR.01.01.01 Delivery of nursing care, treatment, and services
- ▶ NR.02.03.01 Implementation of nursing policies and procedures, nursing standards, and nurse staffing plan(s)





# NPSG.07.01.01 Hand Hygiene



Thank You!

Questions?

