Ebola Virus: Disease, Preparedness, and Response

Overview of State and Local Activities
June 23, 2015

Cheryl Starling, RN
Nurse Consultant and Program Director
Center for Infectious Diseases
California Department of Public Health
2014 Ebola Outbreak in West Africa

- Ebola has been known since 1976
- Outbreak started in Guinea in early 2014 and quickly spread to neighboring countries of Sierra Leone and Liberia.
- Late July 2014: 2 US healthcare workers become ill in Liberia with confirmed EVD - evacuated to Atlanta
- September 30, 2014 – Case presents at Texas Hospital
  - Patient expires October 8, 2014
  - Two hospital workers confirmed EVD +, no deaths
U.S. Ebola Preparedness and Response

And, the frenzy begins!
October 2014 to May 2015

- Returning travelers identified and monitored
- Treatment hospitals identified, Assessment hospitals in progress
- EMS prepared
- Opportunities:
  - Improved management and treatment of high risk, high pathogenic infectious diseases
  - Improved infection control
California EVD Preparedness and Response
State Collaborations - Key Partners

- Governor’s Task Force
- California Department of Public Health – lead
- Emergency Medical Services Authority
- Department of Industrial Relations – Cal/OSHA
- California Office of Emergency Services
- Local Health Jurisdictions
CDPH Preparedness and Response

• Activation of Emergency Operations Centers
  ▪ Medical and Health Coordination Center
  ▪ Richmond Campus Coordination Center

• Guidance/Recommendations
  ▪ Local Health Departments
  ▪ Hospitals and Healthcare Providers
  ▪ Infection Control
  ▪ Laboratories
  ▪ Environmental Health

• Technical consultation
  ▪ 24/7 Clinical Consultation
Public and Provider Communications

- Ebola Hotline and website
- LHJ and Healthcare Provider Ebola Updates (calls)
- Media
- Medical waste management
- Wastewater/sewer
- Decontamination
  - Healthcare and EMS
  - Community
- Pets
Surveillance: Traveler Monitoring

- National surveillance and notification system developed
  - Travel from Ebola-affected countries through 5 East Coast Airports
  - States notified of incoming traveler and destination by Division of Global Migration and Quarantine (DGMQ)
- CDPH Develops Traveler Monitoring Team
  - CDPH 24/7 point of contact for notifications from DGMQ
  - CDPH notifies the LHJ of incoming traveler
  - Monitoring, reporting to state and CDC
Surveillance: Traveler Monitoring

- Local Health Jurisdictions conduct 21 day monitoring of travelers
  - Direct Active Monitoring
    - Face-to-face monitoring 1-2 times daily
    - Skype or FaceTime used
  - Active Monitoring
    - Traveler reports to LHJ daily
  - LHJ reports to CDPH
    - Daily for some or high risk
    - Weekly for low, no risk
Returning Travelers Stats

• Nationally, over 18,000 travelers have been monitored, 1 healthcare worker EVD lab-confirmed

• In California:
  - 766 persons monitored to date (6/22/2015)
  - 741/766 are low risk; 23/766 are some risk
  - No high risk persons monitored in CA
  - Monitored in 39/61 local health jurisdictions
Liberia – Ebola Free

• May 9, 2015 – WHO declared Liberia EVD free
  ▪ Outbreak ended (42 days after the last EVD case was buried)
  ▪ Recommended a 90-day enhanced surveillance period (starting May 9th through ~August 9, 2015)

• June 12, 2015 – CDC implements “step-down” for Liberians
  ▪ No active monitoring required starting June 17, 2015
  ▪ Liberians will report if symptomatic
  ▪ Ebola Check and Report (CARE) Kits
Liberian Travelers

- From June 17, 2015 to June 23, 2015
  - 12 Liberians traveled to CA
  - Zero calls and reports of symptoms to date
Photos courtesy of Dr. Patrick Ayscue, CDPH / CDC EIS Officer
Keeping it in perspective

In 2012, approximately 122,000 people worldwide died from the measles, a highly contagious disease caused by a virus. Typhoid fever kills around 216,000 people a year. Tuberculosis, an infectious bacterial disease, killed an estimated 1.3 million in 2012. These are some of the infectious diseases that most concern health officials today.
Thank You!

**Cheryl Starling, RN**
Nurse Consultant and Program Manager
Ebola RCCC Director
Center for Infectious Diseases
California Department of Public Health
Office: 916-324-0336
Email: cheryl.starling@cdph.ca.gov