Healthcare and Public Health Critical Infrastructure Protection Partnership

Laura K. Wolf, Ph.D.
HHS ASPR
Systems and assets, whether physical or virtual, so vital to the United States that the [ir] incapacitation or destruction ... would have a debilitating impact on security, ... economic security, ... public health or safety, or any combination of those matters.

§1016(e) of the USA Patriot Act of 2001
(42 U.S.C. §5195c(e))
What is critical?
Healthcare and Public Health Subsectors

- Pharm, Labs, Blood
- Direct Patient Care
- Health IT
- Medical Materials
- Plans and Payers
- Public Health
- Mass Fatality Mgmt
- Federal Response
CIP Foundation

- Voluntary Partnership - not tied to regulation or funding
- Critical Infrastructure Protection Advisory Council (CIPAC)
- FACA-exempted
- Protected Critical Infrastructure Information (PCII)
HPH Sector CIP Partnership Model

Joint Workgroups
- Awareness & Implementation WG (Healthcare Climate Resilience Subgroup)
- Risk Management WG
- Cybersecurity WG

Government Coordinating Council
- Public sector components with an interest and role in HPH Sector CI security and resilience

Sector Coordinating Council
- Self-organized and governed council of HPH private sector partners.
- SCC Workgroups
  - Activate Shooter Situational Cybersecurity Legislation Supply Chain

HPH Sector Specific Plan available at phe.gov/cip
Key Challenges

• The evolving threat

• Healthcare and response are data driven
  – Share information with those who need to know
  – Protect information from those who don’t

• How do we prioritize and measure mitigation efforts?
The evolving threat

2009-2010
H1N1 Pandemic

2013
Saline Shortages

2014
Ebola Crisis

2016
Zika Outbreak
Partnering to respond to evolving threats

Public Sector
- VA
- DoD
- CDC
- ASTHO
- NACCHO

Private Sector
- Healthcare Industry Distributors Association
- Consumer Specialty Products Association
- Medical Device Manufacturers Association

Coordinating Groups
- PHEMCE
- Global Supply Network for Pandemic Preparedness and Response
- All-Hazards Consortium
Information-sharing is key

asprtracie.hhs.gov
cip@hhs.gov
Information-Sharing is key

• DHS Partnerships
  – Critical Infrastructure Cross-Sector Councils
  – National Biosurveillance Integration Center
  – FEMA National Business Emergency Operations Center
Data Innovations

EmPower

phe.gov/empowermap

GeoHEALTH

Geohealth.hhs.gov

THE PRECISION MEDICINE INITIATIVE
Data Security

Joint Cybersecurity Working Group
Measuring and Mitigating Risks

The number of armed security guards in hospitals is growing — so is the debate over their necessity
Beckers Infection Control and Clinical Quality 2/12/2016

The intruder in the Brigham OR — how did she get there?
Boston Globe 2/5/17

Government Agencies and Hospitals Face Increasing Risk of IoT-Powered Cyberattacks
Entrepreneur 2/19/2017
Measuring and Mitigating Risks

- Developing an HPH Sector Risk Assessment Tool
- Voluntary
- Plan to securely collect representative data after Sector has a few years to utilize and provide feedback
Future Challenges
Connect.
Collaborate.
Be Resilient.

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