

Critical Infrastructure Protection Public-Private Partnership Healthcare and Public Health Sector



Crimson Contagion

Introduction

The Crimson Contagion 2019 Functional Exercise, henceforth referred to as “Crimson Contagion 19 FE,” is part four of a four part exercise series hosted by the Department of Health and Human Services/Office of the Assistant Secretary for Preparedness and Response. The exercise will be a multi-state, whole of government and community effort focused on the response and policy issues of workforce viability, critical infrastructure protection, economic impact, social distancing, scarce resource allocation, prioritization of vaccines and other countermeasures, and medical surge operations. The Crimson Contagion 19 FE will afford all partners the opportunity to exercise information exchange, coordination of resources, and policy decisions in an environment in which the Department of Health and Human Services is the lead federal agency in accordance with the *Biological Incident Annex* and the *Pandemic Crisis Action Plan*. The exercise will be conducted from August 13 – 16, 2019 at multiple locations across the U.S.

Exercise Scenario

The Crimson Contagion 19 FE depicts a scenario based on a novel influenza A(H7N9) virus that originates in China and quickly spreads to the continental U.S., where the virus is first detected in Chicago, Illinois. The virus rapidly spreads via human-to-human transmission to other metropolitan areas across the nation with high rates of morbidity.

Figure 1 below depicts the pandemic severity assessment for H7N9. Stockpiled H7N9 vaccines do not match the pandemic virus but can be used as a priming dose. The H7N9 virus is susceptible to neuraminidase inhibitor drugs but resistant to adamantane antiviral drugs. The Crimson Contagion 19 FE start of exercise (STARTEX) conditions will occur 47 days into the pandemic. As of August 12, 2019, the HHS Centers for Disease Control and Prevention report that state health departments have reported 12,100 cases of laboratory-confirmed A(H7N9) virus infection in the U.S., and more than 18,000 cases of laboratory-confirmed A(H7N9) virus infection have been reported to the World Health Organization worldwide.

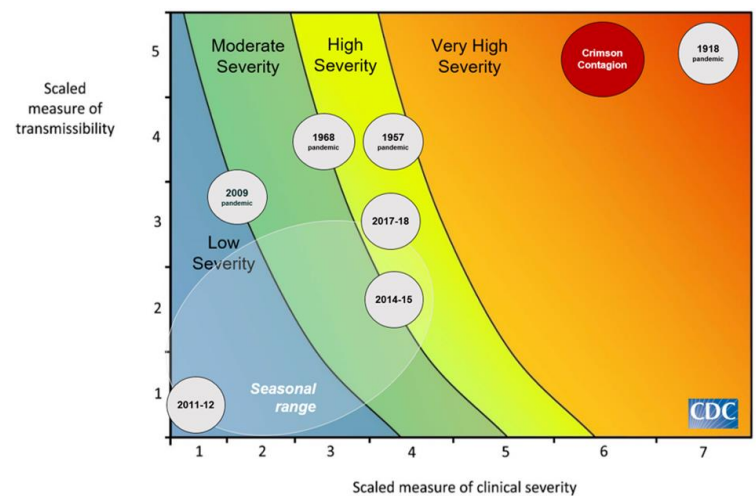


Figure 1. Pandemic Severity Assessment

Next Steps

- Please register for the Crimson Contagion 19 Private Sector Coordination Calls through [EventBrite](#).
 - Calls will be conducted as mini tabletop exercises incorporated into the overarching functional exercise, and will make up the majority of private sector play.
 - Please note, you may also receive outreach from your regional, state, or local government partners requesting that you participate in Crimson Contagion 19. You are welcome to participate with these partners in addition to the Private Sector Coordination Calls.
- Once you have registered, you will begin to receive pre-exercise “injects” via email to help build the scenario. You are also encouraged to watch a brief video outlining the exercise “state of the world, which can be found at: <https://on.frame.io/ToBhSLS3>. An updated video will be provided to players closer to STARTEX.
- Please contact cip@hhs.gov if you have additional questions or concerns regarding the exercise.

Critical Infrastructure Protection Public-Private Partnership Healthcare and Public Health Sector



Overarching Exercise Objectives

1. Examine the ability of federal, state, and local governments, as well as private industry, non-governmental organizations, and members of the public, to take coordinated protective actions during a pandemic influenza outbreak in accordance with applicable plans, policies, and procedures.
2. Examine current gaps in capabilities and policies needed to determine risks to the affected population and the processes to manage, treat, and care for an overwhelming number of patients with an emphasis on people, pharmaceuticals, transportation requirements, and standards of care.
3. Test and identify gaps in applicable plans, policies, and procedures to maintain a viable workforce in order to minimize disruptions to critical infrastructure systems and supply chains.
4. Examine current mechanisms to integrate federal, state, and local decision-making and public messaging processes during a pandemic influenza response.

HPH Sector Network of Players

Invited Private Sector Partners

American Red Cross Aetna Amador Health Center (FQHC) American Academy of Pediatrics American Academy of Physicians Assistants American Association of Blood Banks American Association of Colleges of Pharmacy American Health Care Association American Hospital Association American Industrial Hygiene Association American Nurses Association American Society of Health-System Pharmacists America's Health Insurance Plans Ascension/Medxcel Association for Healthcare Resource & Materials Management Professionals	Association of Public Health Laboratories Augusta University; East Central Georgia Healthcare Coalition Blue Shield of California Boston Children's Hospital Creative Testing Services CVS Health Excela Health System Health Industry Distributors Association Healthcare Information and Management Systems Society Healthcare Ready Highmark Health Services/Allegheny Health Network Hospital Corporation of America James B. Haggin Memorial Hospital Jennie Stuart Health (KY)	Johns Hopkins Center for Health Security Kaiser Permanente Kidney Community Emergency Response Program Laboratory Corporation Mayo Clinic Medline Industries, Inc. National Funeral Directors Association Northwell Health, NY Riverside Health System Spectrum Health Texas Health Resources UnitedHealth Group University of Minnesota University of Utah Health Verizon Virginia Hospital & Healthcare Association
---	---	--

Invited Government Partners*

U.S. Department of Health and Human Services
Office of the Assistant Secretary for Preparedness and Response (ASPR)
Centers for Disease Control and Prevention (CDC)
Food and Drug Administration (FDA)
Department of Homeland Security
Department of Transportation
Department of Veterans Affairs

Invited Non-Governmental Partners*

National Association of City and County Health Organizations (NACCHO)
Association of State and Territorial Health Officials (ASTHO)
National Indian Health Board (NIHB)

*This list is not comprehensive of all Government and Non-Government partners playing in the Crimson Contagion 19 FE, only of those participating on the Private Sector Coordination Calls.

Critical Infrastructure Protection Public-Private Partnership Healthcare and Public Health Sector



Daily Schedule of Play

Day	Time of Call	Discussion Topic
Tuesday, August 13	1500 – 1630 EDT	Supply Chain
Wednesday, August 14	1500 – 1630 EDT	Communication and Situational Awareness
Thursday, August 15	1500 – 1630 EDT	Sector Interdependencies
Friday, August 16	1500 – 1630 EDT	Workforce Protection

Dial-in information will be shared with registrants at a later date.

Play for private sector partners will be conducted virtually, with one Private Sector Coordination Call held daily for each of the four days of exercise play. Discussion topics for each call will align with the focus areas of the Crimson Contagion 19 FE. Key discussion points from each call will be incorporated into overall exercise play, and key overall exercise injects will be incorporated into Private Sector Coordination Calls.

Recommended Resources

Topic Area	Resource
Biomedical Advanced Research and Development Authority	<ul style="list-style-type: none"> • BARDA Strategic Plan • BARDA Influenza Division
CladeX	<ul style="list-style-type: none"> • CladeX Executive Summary
Communications and Modeling	<ul style="list-style-type: none"> • Hospital Preparedness • Modeling in Real Time During the Ebola Response
Crisis Standards of Care	<ul style="list-style-type: none"> • ASPR Technical Resources Assistance Center and Information Exchange Topic Collection: Crisis Standards of Care
Managing Surge Capacity	<ul style="list-style-type: none"> • Inventory Management and Tracking System (IMATS) Overview • Federal Shelf Life Extension Program • Emergency Use Authorization • Considerations for Healthcare Facilities to Ensure Adequate Supplies of Personal Protective Equipment
Pandemic Strategies and Planning	<ul style="list-style-type: none"> • National Pandemic Strategy • Interim Updated Planning Guidance on Allocating and Targeting Pandemic Influenza Vaccine during an Influenza Pandemic • Joint Resources for Pharmacy Pandemic Planning
Strategic National Stockpile	<ul style="list-style-type: none"> • Overview of the SNS • Capabilities of the SNS
Supply Chain	<ul style="list-style-type: none"> • Navigating the Pharmaceutical Supply Chain webinar + Audio recording • Partnering with the Pharmaceutical Supply Chain webinar + Audio recording • Understanding Supply Chain Challenges + Audio recording