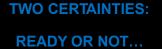


### 🥑 @syramadad

#### Syra S. Madad, DHSc, MS, MCP

Fellow, Harvard Kennedy School Belfer Center for Science and International Affairs Senior Director, System-wide Special Pathogens Program, NYC Health + Hospitals Principal Investigator, Institute for Diseases and Disaster Management



## Incidents will Occur

3

# Patients will Present

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## Hope Is Not A Plan

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### HOW EBOLA CHANGED THE LANDSCAPE

- 2014 EVD patient at a Dallas community hospital in Dallas
   Transmission to 2 HCWs
- Entirely novel situation in which virtually no U.S. hospital had ever trained for.
   No healthcare workers had PPE competencies in 2014
- Hospital across the country enhanced HCID preparedness
- Required increased coordination between organizational elements
   ED, Infection Control, Lab, Transport, public affairs, etc.



#### **RESPTC NETWORK**

- Frontline Hospitals (4,845)
- Assessment Hospitals (217)
- Ebola Treatment Centers (63)
- Regional Ebola & Other Special Pathogens Treatment Center (10)

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#### MAINTAINING READINESS FOR INFECTIOUS DISEASE THREATS





THE REALITY

On December 27th 2019, Ron Klain, former US Ebola Czar & Syra Madad published an op-ed in the Washington Post.

The piece warned lawmakers that this vital program is set to expire in May of 2020, urging Congress to renew funding for the system that helps keep Americans safe from a sudden epidemic. "Failure to act would be penny-wise but pound-foolish," it read. "The day will come when a dangerous pathogen will arrive in the United States once again."

On December 31st, four days after the article was published, the governme in Wuhan, China, reported to the World Health Organization that it was treating dozens of patients for a novel virus of unknown origin.

#### Opinions Extern

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Opinion: A program protecting us from deadly pandemic is about to expire



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Ronald A. Klain usus the White House Ebola response coordinator in 2014-2015 and is an advisor in Joe Bleford vizono presidential campaign. Syra Madad is the senior director for the System-usile Special Pethogone Program for New York City Health + Hospitals.



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## HOW COVID-19 CHANGED THE LANDSCAPE

- All 6,000+ U.S. hospitals became frontline, assessment and treatment centers
- Significant impacts to:
  - Supplies
     Space
  - Staffing
  - System
- And Lessons Learned













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#### CHANGE THE WAY WE PREPARE: JUST-IN-TIME VERSUS JUST-IN-CASE PANDEMIC PREPAREDNESS

- This just-in-time approach goes beyond PPE manufacturing: It is the *de facto* pandemic preparedness strategy employed by hospitals and health care systems as well as states and the federal government.
- The just-in-case strategy is familiar to the US government, which invests billions of dollars per year in military defense and weapons stockpiles and updates to counter-intelligence technologies—just in case.



Building a Biopreparedness Program for Healthcare Sites



#### **OVERALL PLANNING CONSIDERATIONS**

#### **Overall Planning Considerations**

- Overall Planning Considerations:

   • Risk/vole

   • Risk vole

   • Risk vole

   • Patient demographics

   • Patient demographics

   • Arraine populations

   • Reservers type and amount based on risk

   • Baservers type and amount based on risk

   • Supplies (e.g., registre antice conset, dofting/doming space)

   • Space (e.g., negative antice conset, dofting/doming space)

   • Space (e.g., negative antice conset, dofting/doming space)

   • Patients (e.g., negative antice conset, dofting/doming space)

   • Patients (e.g., negative antice conset, dofting/doming, space)

   • Patients (e.g., negative antice conset, dofting/doming, space)

   • Patient document inputer utrits, patie rescut [218] Integration, laboratory, policies, training systems)

   • Preside antice is a substrate who should be involved in the planning?

   • Patient document inputer utrits, patie rescut [218] Integration, laboratory, management, infoction control and prevention, interfection dosus, relevant inputer utrits, patie result control, rescut (CAR), tervers, heat laives, patie controlm-inanterance, and result actives, patie control

#### **EMERGENCY MANAGEMENT CONSIDERATIONS**

#### **OPERATIONAL CONSIDERATIONS**

- Operational Considerations

   • Points of entry into healthcare delivery system --screening for potential special pathogen cases at each entry and process for transfer to emergency department (or direct via EMS to a different facility for assessment)

   • Nurse limit trage line phone call

   • Web-based encounter/feedmedicine

   • Emergency department

   • Walk- enclosizynet cauwrtre-standing emergency department

   • Ambulatory care center

   • Ambulatory care center

   • Arrival to EMS

   • Arrival to EMS

   • Care team/staffing model

   • Sill in and selection of personnel special pathogens "team" or all personnel trained equally

   • Bales and responsibilities - ba, environmental services, use of traines care 247

   • Signing model hours, rotations, process must be able to initiate care 247

   • Signing model nours, rotations, process must be able with and being genetic)

   • Valubor/family management

   • Language, religious, and cultural issues that may complicate patient care

### INFECTION CONTROL CONSIDERATIONS

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## PATIENT CARE CONSIDERATIONS Ambulatory Non-ambulatory Critically II - Special considerations - A -Frick and patients with functional needs - Program - Program - Relative - Relative - Contrain - Delinoval conservational multiple issues including cooperation with caregive - Delinoval conservational on annihil - Stanciner socialization - who accuring and tow are services - Stanciners - Relation- - who accuring and tow are services - Instances scoratory Sérvices - Specimen acquisition – who acquires and how are samples managed? - Dagoostic testing – what will be performed and where? – list of general and sy compliance with protocols and screwidures for service. una service provide an procedures for second generatives for confirmatory testing packaging, transport, strange provide to tanaport, transport, toro ta panyot, transport, toro ta panyot, transport, toro ta panyot, transport, padd until test results gory A waste management – VHP and other intectional subtances capable of causin treatming of tabil lines in exposed human or animale! Category B waste management – other infectious substances that do not meet specimens for MERS-CoV are handled as Category B infectious substances but ;

#### HEALTHCARE WORKER CONSIDERATIONS

Healthcare Worker Safety Considerations

ver (a a central line a

- Countermeasures (e.g., vaccination, prophylaxis)
   PPE
   Training (e.g., agent information, patient screening and care processes, drills, exercises, just-in-time
- resources) Healthcare worker monitoring

#### **GUIDANCE'S, PROCESSES, PROTOCOLS**

- Once policies, procedures, staff and patient resources are developed and instituted, test your plan, observe the outcomes, analyze the results, provide feedback, and adapt as needed
  - Secret shopper drill
  - Table top exercise
  - Full scale interagency exercise
- Gather your planning team, establish a scenario, determine the data to be collected
- Include regional and coalition partners

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#### DATA COLLECTION TOOL

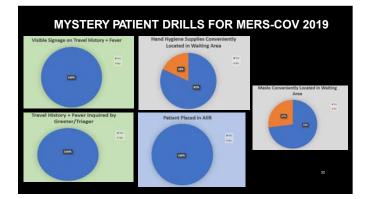
- Drill Time Stamps
- Patient Experience
- Disease-specific Checklist
- Staff Proficiency on "x" Disease

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#### A CONTAGION OF MISINFORMATION



It's not just an outbreak of the contagion, but also an epidemic of misinformation

