The Brooklyn Coalition Exercise 2018: "Ebombable Brooklyn 3.0"

After-Action Meeting May 8th, 2018: EPS/Leadership Council Meeting

Presented By: Pia Daniel, MD

Co-Authors: Bonnie Arquilla DO, Patricia Roblin MS, Brian Gillett MD

3 Sequential Drills By The Brooklyn Coalition

2015 Ebombable Brooklyn



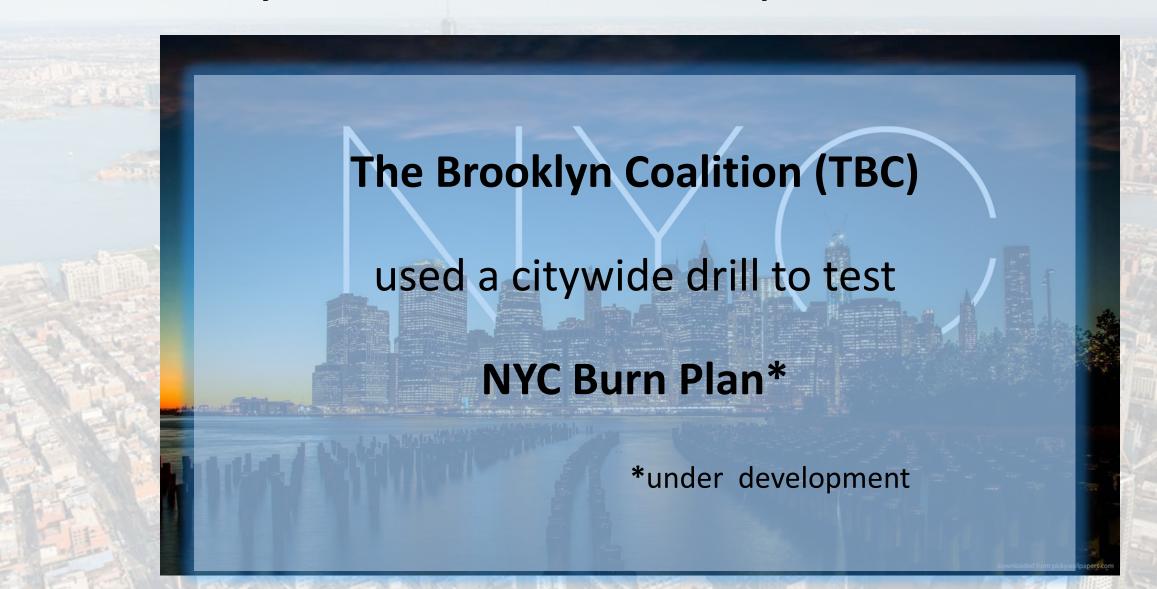


Brooklyn Coalition for Emergency Preparedness Exercise 2018
Ebombable
Brooklyn 3.0

Exercise Partners:

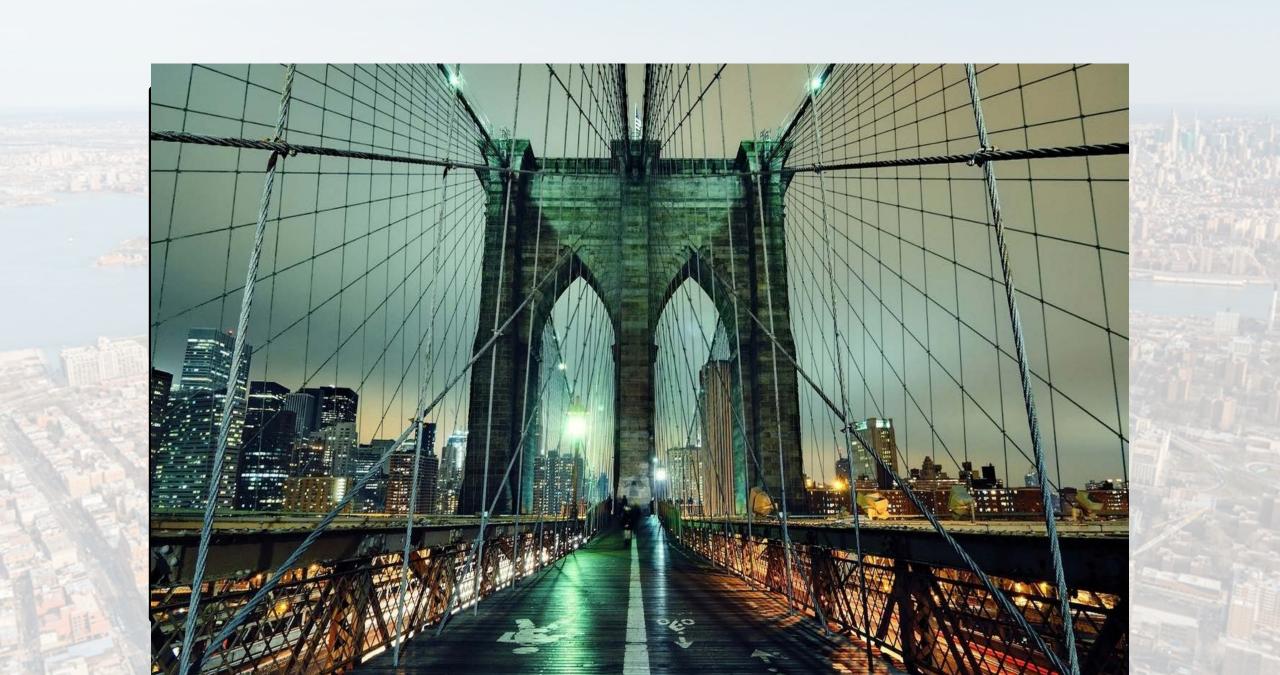


Ebombable Brooklyn 1.0-3.0 Objectives: Secondary Patient Transfers & Test Components of NY Burn Plan

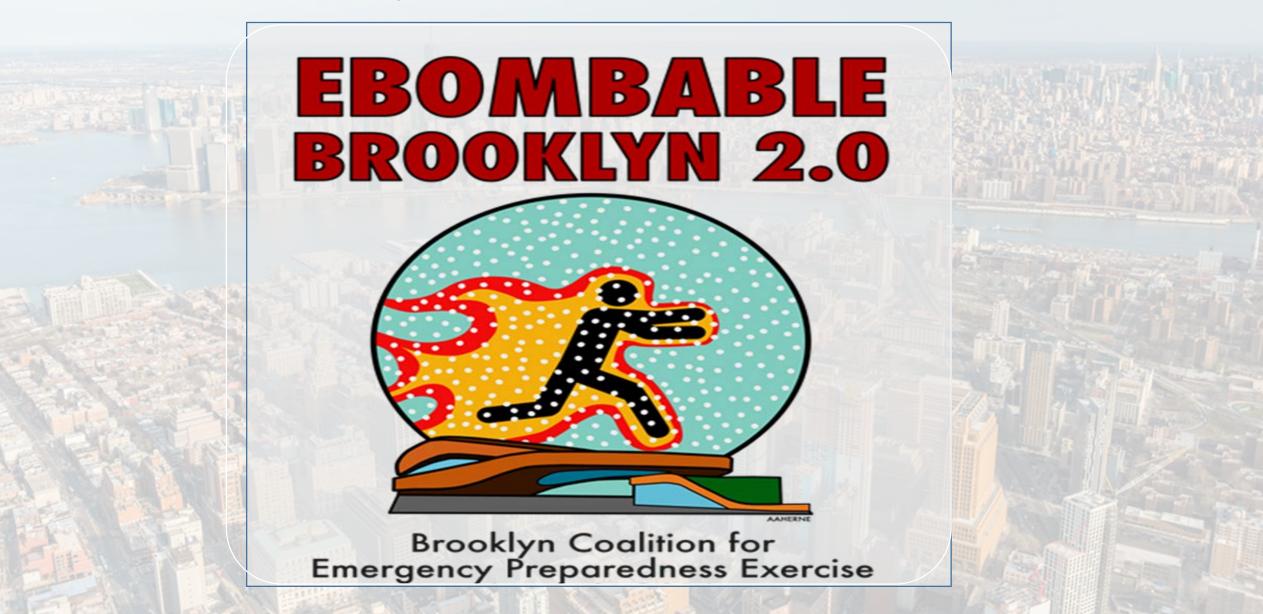


Proposed NYC Burn Surge Protocol: Centralized Secondary Transfer of BURN MCI Victims





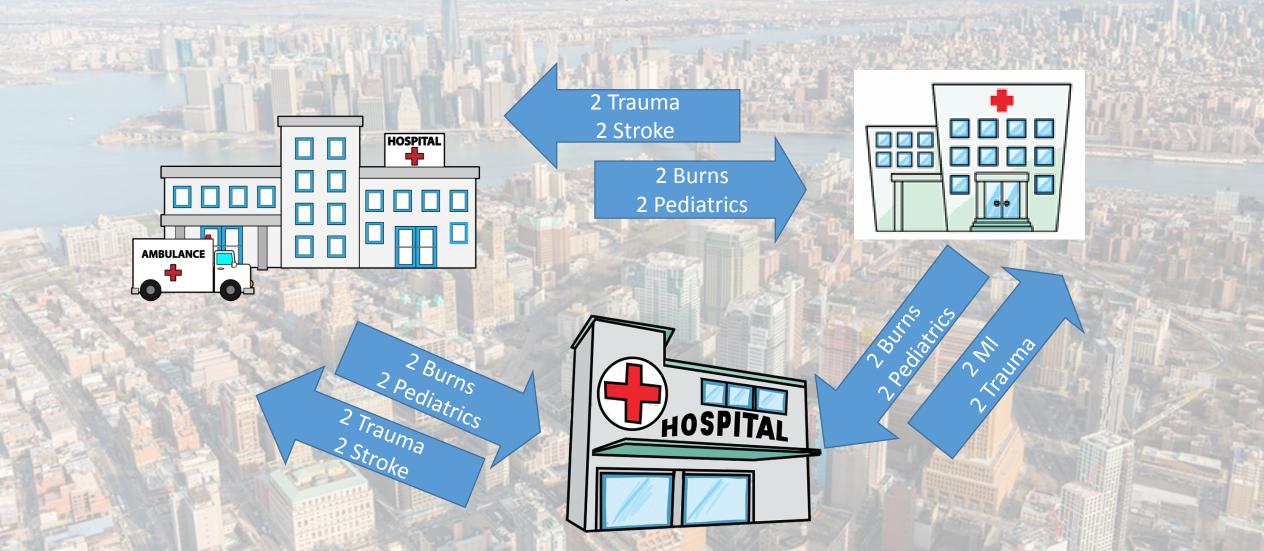
2016 Brooklyn Coalition Exercise: Ebombable 2.0



Ebombable Brooklyn 2.0 Vs. 3.0



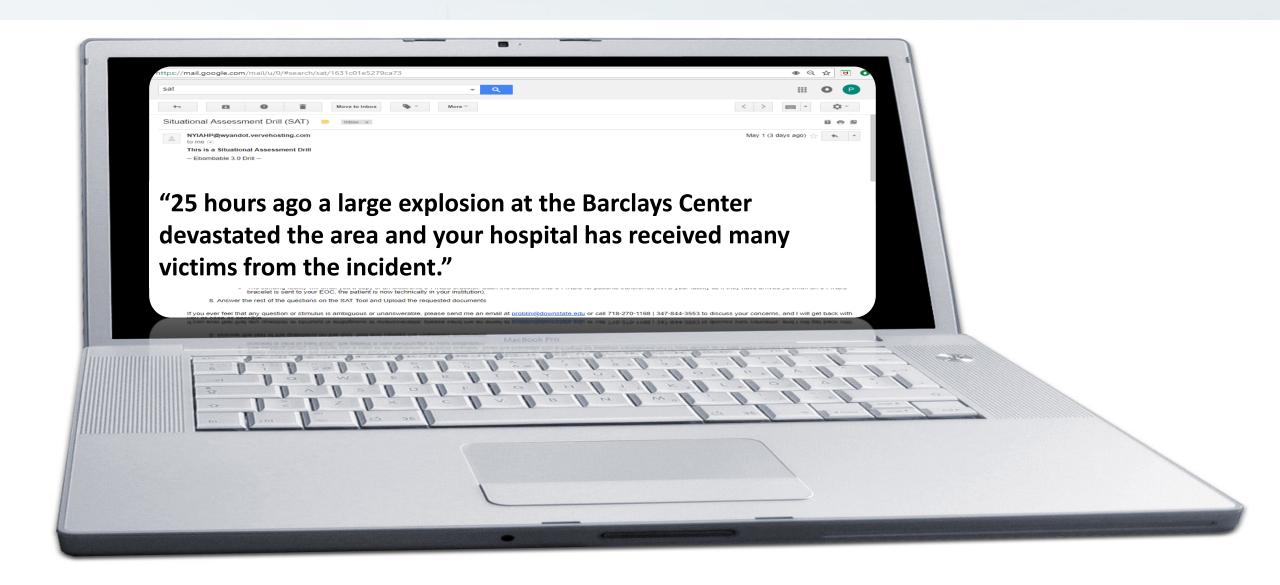
Ebombable Brooklyn 3.0: Focused on Secondary Transfer of 82 Victims

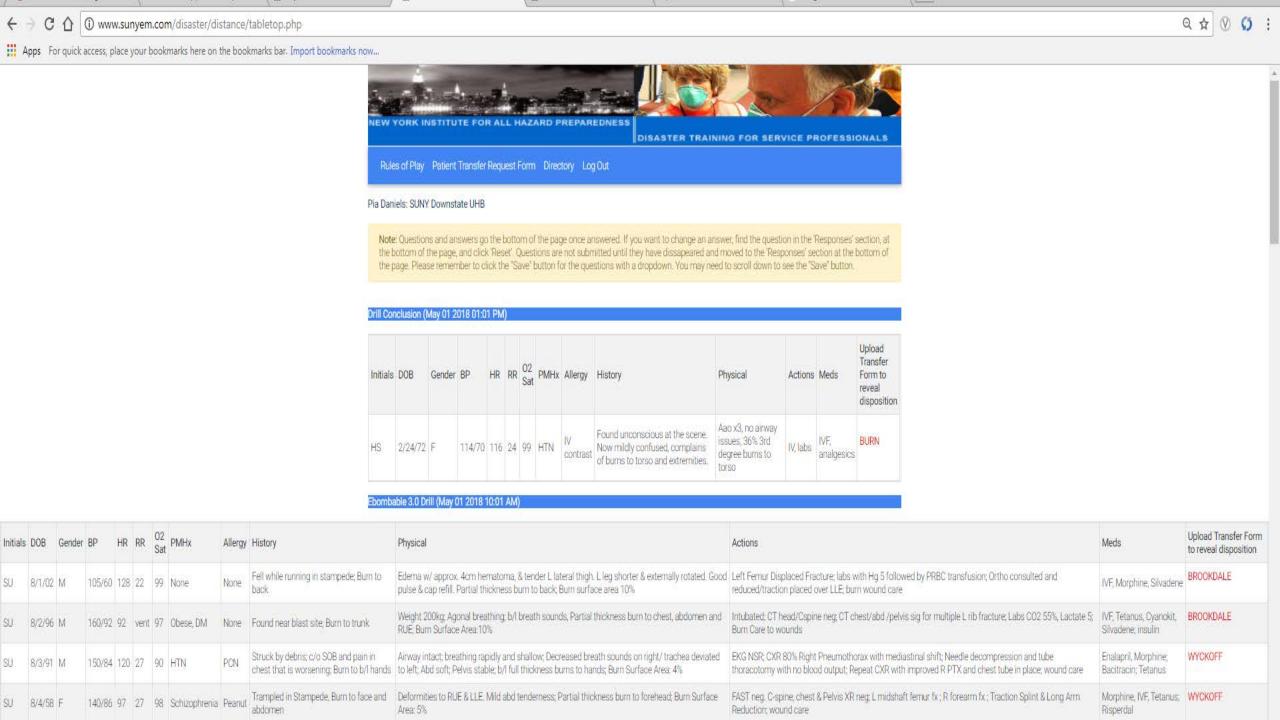


Drill Activation & Scenario Summary via Email



Drill Activation & Scenario Summary via Email





Patient Profiles via SAT Website

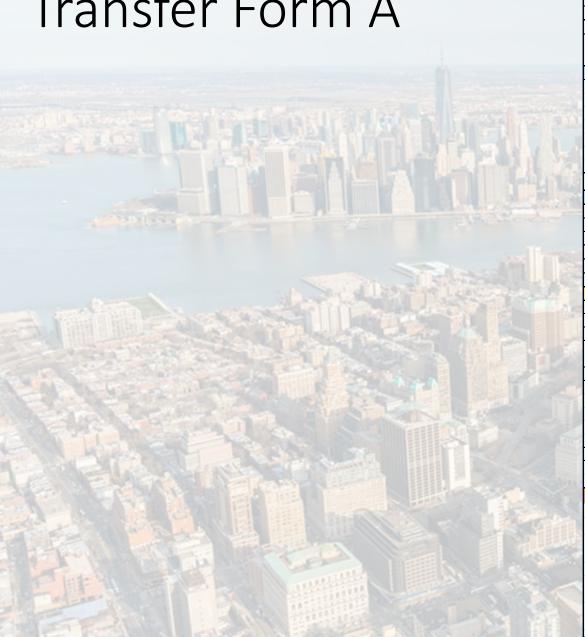
Initials	DOB	Gender	BP	HR	RR	O2 Sat	PMHx	Allergy	History	Physical	Actions	Meds	Upload Transfer Form to reveal disposition
HS	2/24/72	F	114/70	116	24	99	HTN	IV contrast	NOW MIND OF THE PROPERTY OF TH	Aao x3, no airway issues, 36% 3rd degree burns to torso	IV, labs	IVF, analgesics	



Ebombable Brooklyn 3.0: Compared 2 Versions of Transfer Request Form

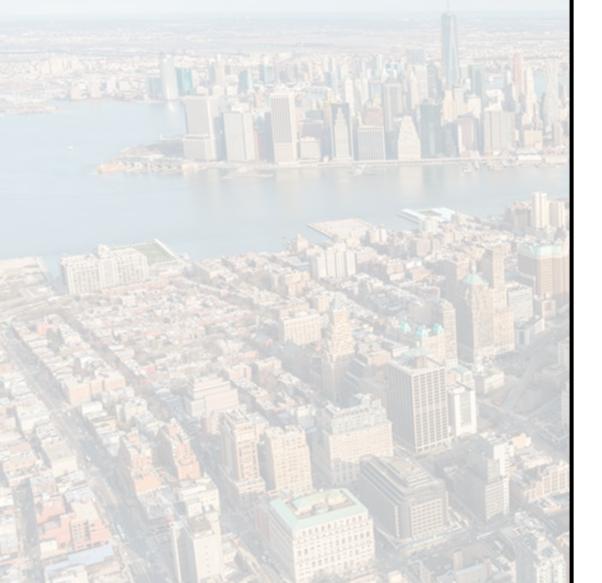
THE THE PARTY OF THE	Transfer Form A	Transfer Form B	
	Clinic	Kingsbrook	
	Cobble Hill	Interfaith	
	SUNY	NYP Methodist	
	DSSM	Lutheran Rehab	
	КСНС	Coney Island	
	Brookdale	Mt Sinai BK	
	Maimomides	NYU Lutheran	
	Wyckoff	Brooklyn Hospital	
		Woodhull	

Transfer Form A



	Transfer Form A										
DATE:			Referring	Hospital:						Phone:	
DATE:	//		Address:	ress: Zip:				Fax:			
Point of Co	ontacts	Name at r	referring fa	cility:						Phone:	
Reason fo	r Transfer:	☐ Do not	have requi	ired	☐ At Ca	apacity	☐ Other (specify):			
Patien't N	ame:					Sex: M □ F □				WEIGHT (kg):	
DOB: _				Next of Ki	in:					Phone:	
Date of Inj	jury:/	<u></u>	Time of in	njury (milit	ary):	hrs.	Type Haza	ard:	Proximi	ty to Hazard:	
Mechanisı	m of	Burn Injur	ry: Therr	mal Injury:			Electrical	Burn: 🗆		Chemical: □	
Injury			njury: Expl			Structural	l Collapse:		Other:		
Burn Injur	y* - Total Su	urface Bur	n Area (see	attached	burn cacul	ation aid)					
	Head	Trunk		Rt. Hand		Lt. Hand	Rt. Leg	Lt. Leg	Perineum		
ANTERIOR										Total Anterior	
2nd ^o										% 2nd°	
3rd°										% 3rd°	
POSTERIO	R									Total Posterior	
2nd ^o										% 2nd°	
3rd°										% 3rd°	
	nd degree b	urns:			Total % 3r	rd degree b	ourns		% TDSA _		
	lational Inju										
□Y □N [None					□Y □N	□ Unk	Oral burn	S	
			rns/Singed	facial hairs			□Y □N		Stridor		
		Singed Na		100.0.			□Y □N		Airway burns on endoscopy		
			eous Sputu	ım						ourns on bronchoscopy	
	Bronchosco		•						Jan 11 2 7	,,,	
	Other? If y			man.go.							
Trauma	Other: it y	es describ	ie.								
	Cervical Sp	nine Fractu	ire:	Cervical O	orthosis:	☐ Soft Co	llar 🗆	Hard Collar	r 🗆 Ha	alo.	
				_						racic Surgery Y?	
	Increased I	-	Date:		mmHg:	iic	7/ Epi 2 a	Date:		mmHg:	
						num Fx [☐ Pneumot				
□Y □N	Thoracic In	juries:		☐ Cardiac Contusion ☐ Sternum Fx ☐ Pneumothorax ☐ Hemothorax ☐ Rib Fx(s) ☐ Injury to major vessels ☐ Blast Lung ☐ Thoracic Surgery Y?							
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	Orthopedia		Crush Inju			/1000.00.01	·	□ Pelvic F		y	
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		RLE				Closed I			ation: Extre	emity	
		LLE				Closed I			otomy:Loca		
\square Y \square N	Other:										
	Drains:	Chest Tuk	oe: □ Rt □	Lt	☐ Abdom	ninal	☐ Nasog	gastric Tube	e	☐ Gastric Tube	
		☐ Stents			Where			d(s): Descri			
Assessme	nt of curren	•					Date:			Time:	
ASA Status	s*:				□ IV	□ v	□ VI				
	amic Status			☐ Is the r	patient on					v stable for transport	
		☐ Sponta				emental Fi	02		□ CPAP	y otale. E . E . E . E . E . E	
Respirator	ry Status:	☐ Intuba		Date:		Size:	52			Date:	
Ventilator	Cottings				TV:		DF	ED.	☐ Trach	Date.	
Ventilator	Settings:	Mode:		RR:		FiO2_		EEP:	PS:	1	
Monitorin	g Status:	☐ CVP C		Date place		·· D-4	☐ Arteria	al Line	Date place	ed:	
			n-Ganz Cath			onitor: Dat	•	· ·			
Mental Sta	atus:	□ Unresp	ponsive		eactive to:				ul Stimuli		
		☐ Alert		Ori	ented to: 🗆 Name		3	□ Place		□ Date	

Transfer Form B



Transfer Form B

Institutions requesting MCI patient secondary (inter-facility) transfer will be requested to provide the following Patient Information (please complete ALL categories listed below):

a)	Sending hospital:	
	Patient Transfer ICS Contact: Name	Phone
	Sending Physician Contact: Name	Phone
b)	Reason for Transfer: Don't have Set Other	vice □Hospital / Service is Pull
c)	Patient age or size (infant, toddler, child	, adolescent, adult, elderly):
d)	Nature of injury/injuries:	
e)·	If Burn: %TBSA Air	way Involved?
f)	Interventions: Surgery/Chest Tube/Fase	iotomy etc.:
g)	☐ Cardiac arrest (this admission)? Is patient Hemodynamic Stabile for transit. Is the patient on Pressor(s)? Yes	•
h)	Respiratory Support: Intubated?	□ BiRAP? %02
i)	Vital signs: BP: HR:	RR: O2 Sat/ETCO2 (if available):
j)	Neuro: ☐ Cervical Orthosis? Glasg	ow Coma Scale:
k)	Currently administered Medications:	
I)	Radiological/US/Laboratory critical fin	ling:
m)	Co-morbidities / Chronic Conditions:	
n)	Chronic Medications (outpatient):	
	eds: Bed Type: Pediatric I	_

SAT Data: Comparing Transfer Form A vs. B

Question	Form A	Form B
Was there INFORMATION MISSING on the Form?	50%	44%
Was the Form EASY TO FILL OUT ?	83%	78%
Will the Form be HELPFUL in a MCI ?	83%	78%
Did you find the Form USEFUL FOR RECEIVING a patient?	100%	67%
Is the Form TOO LONG ?	33%	22%
Did the Forms give adequate data for UNIT ASSIGNMENT?	67%	78%

SAT Data: Assessing the EOCs

Question	% YES
Were you able to speak to all facility EOCs that you TRANSFERRED OUT patients to?	67%
Were you able to speak to all facility EOCs that you RECEIVED patients from?	80%
Did your Emergency Operations Center (EOC) utilize clinical staff during the drill?	93%
Did your EOC use a patient tracking form during this drill?	60%



We did not utilize clinical staff during the drill	3%
Filling out Patient Transfer Forms	37%
Assigning Beds/Units for Transfers	27%
Communicating with other facilities	27%
Other	7%

% YES

Roles of clinical staff in EOC



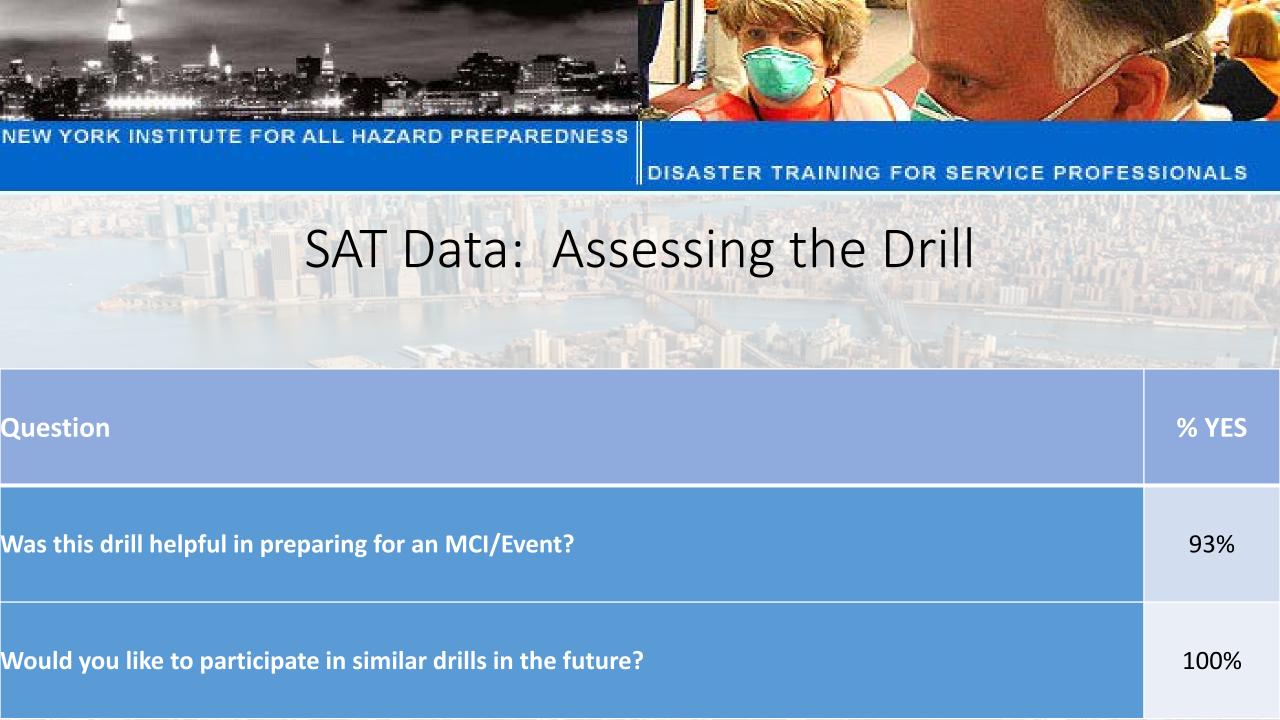
Question Did you encounter problems using e-FINDS? 47% Did you place all transferred patients into e-FINDS?

27%

Did you need technical assistance with e-FINDS?



Types of e-FINDS Problems	% YES
I did not have any problems with e-FINDS	36%
Unable to enter patients	7%
Unable to print bands	7%
Unable to scan bands	14%
Unable to track patients in e-FINDS	7%
Other	29%



Conclusion: The Brooklyn Coalition Exercise "Ebombable Brooklyn 3.0"

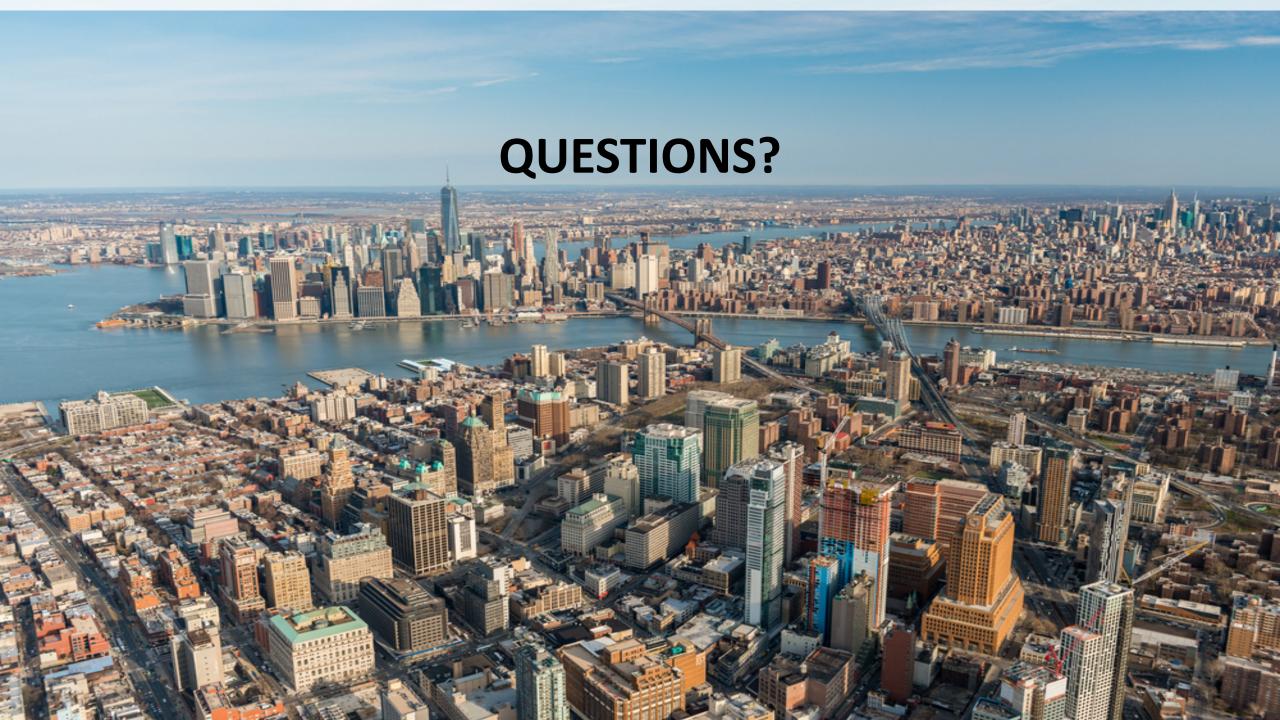
EOC Activations and Inter-Institutional Communications Drilled

Patient Transfer Request Forms
Assessed

Secondary Transfer of an Burn MCI

e-FINDS Utilized

Surge Plans, Patient Tracking Plans
Drilled







NEW YORK CITY HEALTH CARE COALITION (NYCHCC)

Emergency Preparedness Coalition of Manhattan (EPCOM) Presentation

Andrew Dahl, Sr. EM Specialist Joseph Picciano, Sr. Emergency Manager



AGENDA

Project Updates

Regional Resilience Assessment Program (RRAP)

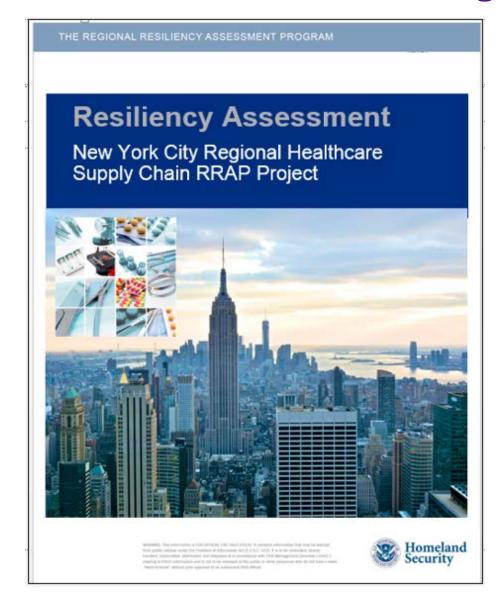
Exercise Updates

DHS / EPCOM Healthcare Supply Chain Exercise

Questions



Regional Resilience Assessment Program (RRAP)





The Office of Infrastructure Protection

National Protection and Programs Directorate Department of Homeland Security

Regional Resiliency Assessment Program NYC Regional Supply Chain Project

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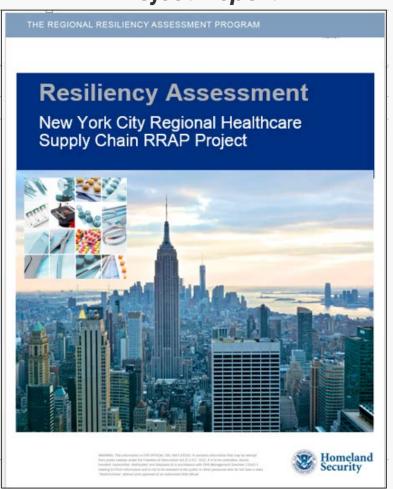
Key Project Themes

- 1) Better understanding of healthcare supply chains is needed for effective disaster planning.
- 2) Wide diversity of healthcare facility types and patient populations must be factored into supply chain resilience efforts.
- 3) Risks to healthcare supply chains vary widely and require more detailed examination.
- 4) Greater resilience requires timely visibility across otherwise complex and segmented healthcare supply chains.
- 5) Increased cooperative planning on supply chain resilience is needed within the region's healthcare community.
- 6) Government can play a critical role in healthcare supply chain resilience, but it must continuously build its corresponding knowledge, plans, and operational structures.

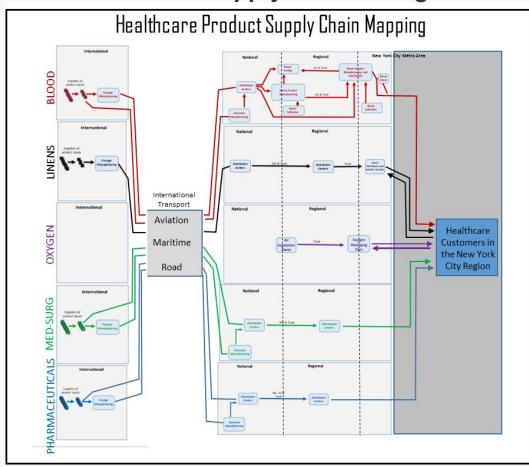


Project Deliverables

Project Report



Interactive Supply Chain Navigator





Project Deliverables

Supply Chain Profiles

DRAFT

Supply Chain Profile for Blood Products

New York City Regional Healthcare Supply Chain RRAP Project



Overview

Medical treatments can involve transfusions of several types of blood products, including whole blood, red cells, platelets, plasma, and other components. The general target for the New York City region is to have 5-10 days of blood products for each blood type on-hand at any given time. While fluctuations occur throughout the year, blood supplies are not considered to be critically low unless they fall under 3 days of inventory.

Similar to other healthcare products, a network of blood manufacturers and distributors work together to deliver supplies on a daily basis to healthcare facilities. Lean inventory practices are increasingly being used within the blood product supply chain in the New York City region, with end customers holding as small an inventory as possible and relying on frequent deliveries from suppliers.

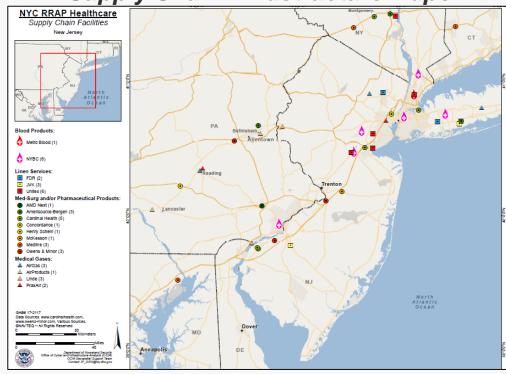
Nationally, the supply of blood products is considered to be stable. Despite the potential for local shortfalls in dotations and spikes in demand, blood products can be sourced from other regions and rapidly delivered in cases of emergency need.

It is critically important to also consider the supply chains for the range of "support" products that underpin the blood supply, such as blood bags, testing machinery, and transport equipment, much of which is manufactured overseas. These items must be factored into a broader view of and planning for the combined blood products supply chain.

There are two major suppliers of blood products to healthcare facilities in the region: New York Blood

1

Supply Chain Infrastructure Maps





Next Steps

- Refinement, review, issuance of deliverables in 2018
- Transition to follow-on actions in the NYC region
 - Supply chain TTX/workshop
 - Topic-specific training/webinars
 - Expanded information resources
 - Coalition work

2018 RRAP: Aviation Transportation (Healthcare)



DHS / EPCOM Healthcare Supply Chain Exercise



- Tabletop Exercise to explore the implications of a Supply Chain Break
- Partnership with Department of Homeland Security
- Participants include:
 - EPCOM healthcare institutions
 - Government Partners (local, state, federal)
 - Private Sector Suppliers
- Scenario focused on provoking thought on solving supply chain issues



DHS / EPCOM Healthcare Supply Chain Exercise

- Panel of SMEs from private industry suppliers
- Focusing specifically on:
 - Med/Surge
 - Blood
 - Medical Gases
- Looking past traditional scenarios NYC has experienced





DHS / EPCOM Healthcare Supply Chain Exercise

Next Steps

- Engage your supply chain departments
- Invite them to participate in the exercise
- Save the date for June 7, 2018

EPCOM Supply Chain TTX June 7, 2018





THANK YOU



QCEPHC MCI EXERCISE 2017

SUBWAY BOMBING INFLUX - SURGE

David A. Baksh
Associate Executive Director - Operations
NYC Health + Hospitals | Queens
Chairperson - QCEPHC

BACKGROUND

- Queens County Emergency Preparedness Healthcare Coalition
 - Mission
 - Vision
 - Historical (2009 to Present)

EXERCISE PARTICIPANTS

• **QCEPHC Partners**

- NYC Health + Hospitals | Queens (189)
- NYC Health + Hospitals | Coler (10)
- NYC Health + Hospitals | Elmhurst (10)
- Northwell Health | LIJMC (10)
- Northwell Health | Forest Hills (10)
- Northwell Health | Cohen Children's Hospital (10)
- NY Presbyterian Queens (10)
- NYP Silvercrest Center for Nursing & Rehabilitation (10)
- Mt. Sinai Queens (10)
- Medisys / Jamaica Medical Center (10)
- Medisys / Flushing Medical Center (10)
- Medisys / Trump Nursing Home (10)
- St. John's Episcopal Hospital (10)

NYC Partners

- NYC Health + Hospitals
- NYCEM
- NYCDOHMH

NYSDOH

Creedmor (30)

EXERCISE SCOPE

- Overview
 - Scenario
 - EMS MCI Notification Levels
- Objectives
 - HCC Communications
 - Situational Awareness
 - Resource Needs

EXERCISE DAY

- Overview
- Patient Flow
- Artificiality
- Hot Wash

RESULTS

- What went well
- Areas For Improvement
- Conclusions

QUESTIONS

THANK YOU!