

# North HELP Coalition

Preparing Vulnerable Populations with Special Medical Needs

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**Mount  
Sinai**

# Partners



THE REGIONAL  
EMERGENCY MEDICAL SERVICES  
COUNCIL OF NEW YORK CITY



National  
Kidney  
Foundation™



# North HELP Goals

Create an easily replicated model for emergency management that can be shared across different special needs populations and health systems.

## Hazard Vulnerability Assessment Tool

Emergency Management										
Hazards - Enter name of hospital										
HVA REPORT YEAR 2017 (BASELINE)										
Naturally Occurring Events										
Event	PROBABILITY Likelihood this will occur	ALERTS Number of Alerts	ACTIVATIONS Number of Activations	SEVERITY - (MAGNITUDE - MITIGATION)						RISK Relative threat
				HUMAN IMPACT Possibility of death or injury	PROPERTY IMPACT Physical losses and damages	BUSINESS IMPACT Interruption of services	PREPAREDNESS Preplanning	INTERNAL RESPONSE Time effectiveness, resources	EXTERNAL RESPONSE Community/ staff and supplies	
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	Number of Alerts	Number of Activations	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low	0 = N/A 1 = High 2 = Moderate 3 = Low	0 = 100%
14	Epidemic/ Pandemic									
15	Explosion									
16	Fire: Alarm Failure									
17	Fire: External									
18	Fire: Internal									
19	Flood: External									
20	Flood: Internal									
21	Foreign Admission									
22	HazMat: CBRNE Decontamination									
23	Infectious Disease Outbreak									
24	IT Outage- Applications									
25	IT Outage- Infrastructure									
26	Labor Action/ Work Stoppage/ Strike									
27	Mass Casualty Incident									
28	Patient Surge									
29	Seasonal Influenza									
30	Security Event: Armed Intruder									
31	Security Event: Bomb Threat									
32	Security Event: Civil Unrest									
33	Security Event: Hostage Situation									
34	Security Event: Infant Abduction									
35	Spills									
36	Supply Chain Shortage / Failure									
37	Suspicious Package / Substance									
38	Transportation Failure									
39	Utility: Electrical Failure									
40	Utility: Elevator Failure									
41	Utility: Fuel Shortage									



## Emergency Operations Planning Guide



<http://www.mountsinai.org/patient-care/service-areas/kidney-diseases/areas-of-care/kidney-center>



# North HELP Accomplishments



## A Guide to Emergency Preparedness



## A Guide to Emergency Preparedness For Dialysis Patients

Promoting and Protecting the City's Health **NYC Health** 中文 | Translate Text-Size

Home About Our Health Services **Providers** Data Business Search

Reporting and Services Health Topics Resources **Emergency Prep**

Hospitals  
Nursing Homes  
Adult Care Facilities  
Community Health Centers / Private Providers  
Pharmacies  
**Dialysis Centers**  
NYC Medical Reserve Corps  
Disaster Mental Health  
Communicable Disease Preparedness

**Dialysis Centers**  
Dialysis Centers play an essential role in planning for and responding to a citywide public health emergency. Here you will find information, tools and resources to improve mitigation, response, and recovery during emergencies.

**Plan**  
**Emergency Operation Plan (EOP) for Dialysis Centers**  
Update your facility's Emergency Operation Plan by customizing the following templates.

- Emergency Telephone Numbers Collection Tool:** Assists facilities in maintaining key contact information for staff, government agencies, and vendors.
- Template Annexes for Emergency Response to Fire, Power Failure, Water System Failure and Evacuation:** Helps facilities easily customize their response plans for critical events and provides a checklist for medications and supplies.
- Hazard Vulnerability Analysis Tool:** Allows users to determine the probability, risk, and likely impact of multiple incident types to assist in planning.
- Mass Dispensing of Prophylaxis Template Plan:** Help facilities with receipt, storage, and distribution of medical materials from the NYC DOHMH.

**Continuity of Operation Plan (COOP) for Dialysis Centers:** Below are templates to develop COOP plans to prepare your facility to maintain uninterrupted operations during an emergency.

- Continuity of Operation Plan Template**
- COOP Incident Annexes for Response Fire, Power Failure, Water System Failure and Evacuation**
- Emergency Provisions for Dialysis Patients**

**Resources**

- Emergency Planning and Response for Dialysis Centers and Opioid Treatment Programs (OTP):** This video will educate Dialysis and OTP facilities on responding to events that can impact operations and on emergency preparedness before, response to, and after a critical event. The video is presented by three different subject matter experts from Emergency Management, as well as the Dialysis and OTP communities and includes topics such as recognition of an event that would compromise the provision of critical services, patient and staff communications, and service recovery.

**Update Patient Contact Information**

**Dialysis Patient Preparedness**



## Disaster Preparedness Drill and Exercise Manual



## ASPR TRACIE site

### Dialysis Patient Preparedness

**Author:** North Help Coalition

**Date Published:** 2017

**Annotation:** This short video, geared towards dialysis patients, provides information on emergency preparedness. It presents three steps dialysis patients can take before disaster strikes: make a plan, gather supplies, and be informed. [\[Read Less\]](#)

**URL:** <https://www.youtube.com/watch?v=UIB9cHDSUno>

**ID:** 5418

**Topic Collection:** Dialysis Centers

Please [Login](#) to Add favorite.

This Article is not Rated. Please [login](#) to add a comment. ☆☆☆☆☆

Comments 0

# North HELP Accomplishments

## Dialysis Center Activities Accomplishments Total number of dialysis centers in New York City n= 116

Activities	Zones	# of Activities	#of Centers Participated	Percentage
Trainings/Meetings	All zones and centers outside an evacuation zone	13	72	57%
Exercise	All zones and centers outside an evacuation zone	2	22	17%
Surveys	All zones and centers outside an evacuation zone	5	48	38%

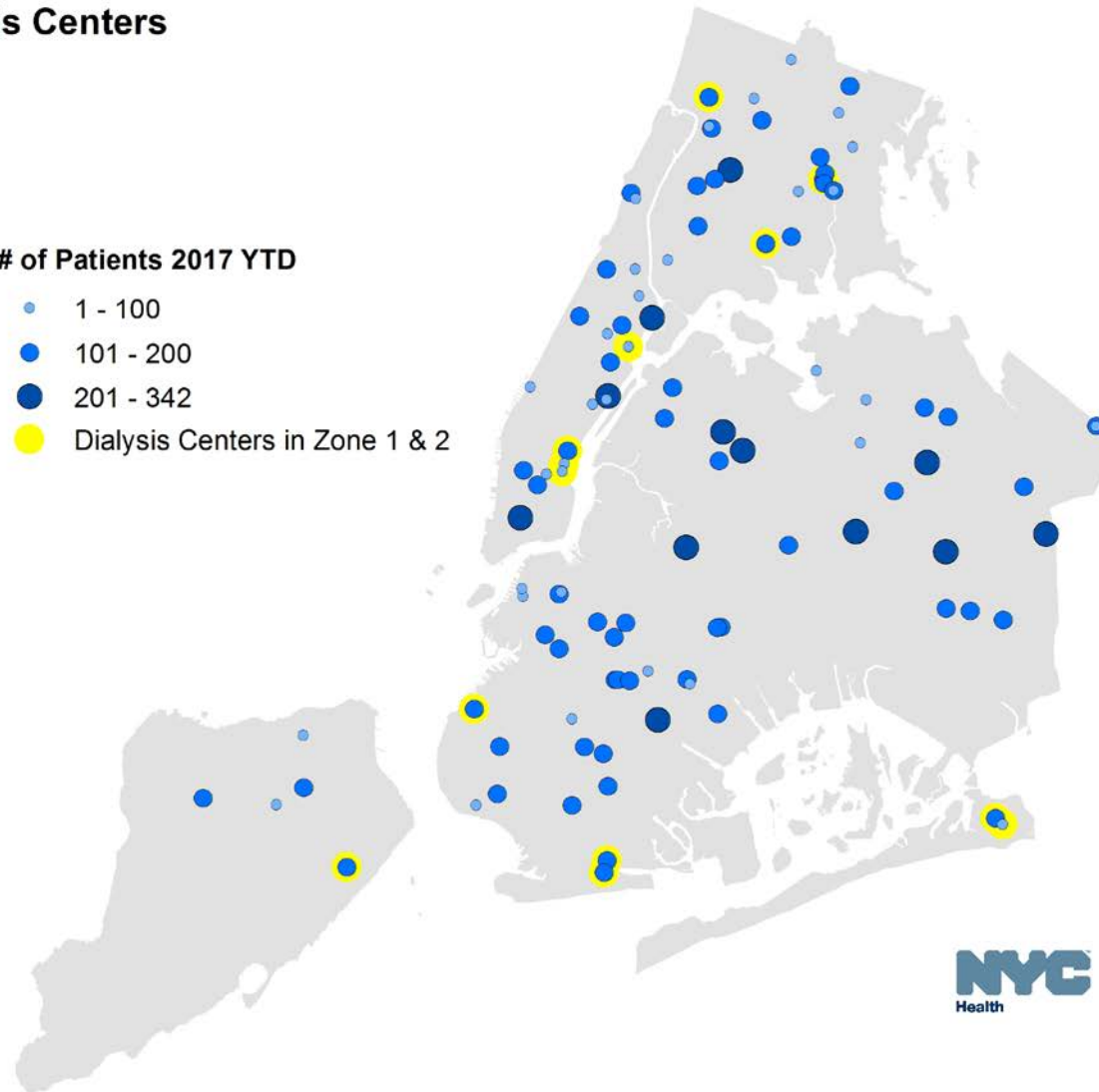


# ESRD Mapping

## NYC Dialysis Centers

### # of Patients 2017 YTD

- 1 - 100
- 101 - 200
- 201 - 342
- Dialysis Centers in Zone 1 & 2



# North HELP Accomplishments

## OTP Center Accomplishments Total number of OTP Centers in New York City n= 70

<u>Activity</u>	<u>Number of Participating Centers</u>	<u>% of Total</u>
HVA Training	35	50%
EOP Training	24	34%

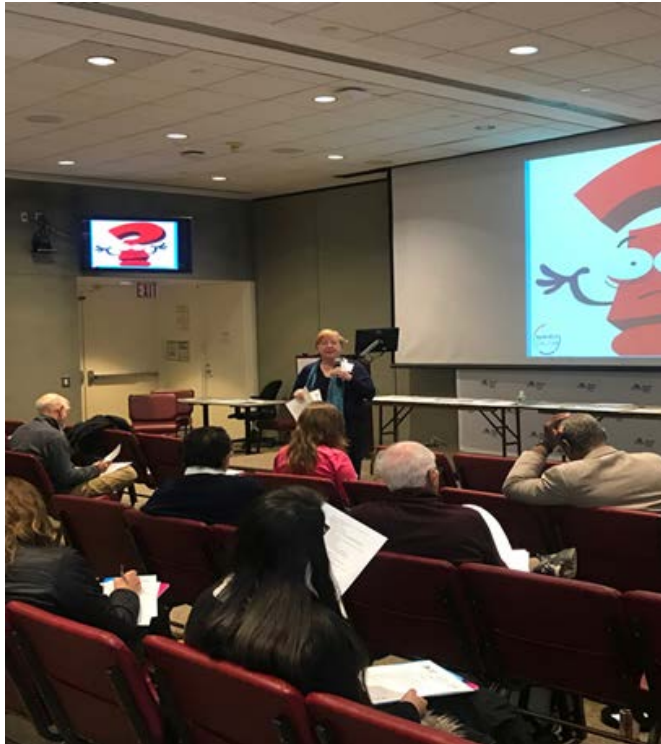
## North HELP MRC Outreach Training Program

### Dialysis and Opioid Treatment Program (OTP) Centers -- Outreach Training Program 2018

Borough	Dialysis Sites	OTP Sites	Dialysis Center Staff Trained	OTP Center Staff Trained	Dialysis Patients Trained	OTP Patients Trained
Bronx	8	3	71	8	501	94
Brooklyn	12	3	130	10	773	41
Manhattan	6	5	41	91	255	655
Queens	8	0	109	0	1,010	0
Staten Island	3	0	19	0	204	0
Total	37	11	370	109	2,743	790
Program Totals	48		489		3,533	



# MRC Outreach Training 2019



<b>Coastal Storm Evacuation Zone</b>	<b>NYC Opioid Treatment Programs</b>
<b>1</b>	<b>2</b>
<b>2</b>	<b>10</b>
<b>3</b>	<b>3</b>
<b>4</b>	<b>7</b>
<b>5</b>	<b>4</b>
<b>6</b>	<b>9</b>
<b>Not in an Evacuation Zone</b>	<b>35</b>

## 2018-2019 Activities

- Conduct an HVA/EOP workshop to train dialysis and OTP centers on writing an EOP and conducting an HVA.
- Conduct in-person workshop to train dialysis and OTP center leadership on how to conduct exercises
- Conduct a functional exercise with Dialysis and OTP centers using Sit Stat 2
- Update and present Emergency Preparedness Outreach Training Program for NYC dialysis and OTP centers

## 2019-2020 Activities

- ▶ Update and present Emergency Preparedness Outreach Training Program for NYC dialysis and OTP centers with Medical Reserve Corps
- ▶ Conduct a Emergency Preparedness Conference for Dialysis providers and administrators
- ▶ Conduct table top exercise with a minimum of 15 dialysis centers in collaboration with response and planning partners, such as IPRO, DOHMH and REMSCO

# Benefits of Participation

Provides a tool kit and templates designed to assist centers in preparing their staff and patients with the benefit of helping meet the new CMS Conditions of Participation :

- Completing an HVA and reviewing plans
- Reviewing communications with staff, patients and response partners
- Developing Citywide Situation Awareness capability to coordinate response to disasters that can impact their ability to serve their patients
- Help patients to be prepared for emergencies

## Dialysis and OTP Center Feedback

- ▶ “The HVA/EOP training was really useful in allowing me to learn how to write an EOP and conduct a HVA.”
- ▶ “More people should attend this training.”
- ▶ “Objectives and goals of training in a disaster in the dialysis and OTP booklets were well laid out.”
- ▶ “I learned new information about emergency preparedness.”
- ▶ “Presenters were really informative and friendly.”



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# Questions?





NYC Department of Health and Mental Hygiene  
&  
NYC Pediatric Disaster Coalition

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*NEW YORK CITY HEALTHCARE COALITION  
LEADERSHIP COUNCIL MEETING  
MAY 30, 2019*



# Overview



## 1. PDC Background

Welcome



- Why
- What
- Goal

## 2. NYC PDC Accomplishments



Accountability leads to Accomplishment

- Local
- National
- International

## 3. Current Status of Pediatric Preparedness in NYC



- PDP
- Alignment to MCI plan
- Pediatric Exercises & Outcomes

## 4- Next Steps



- Plans/SME
- ASPR Annex Plan Tabletop EX

# Why A Pediatric Disaster Coalition

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- Almost 25% of NYC population is  $\leq 18$  years old\*
- Children are uniquely vulnerable in disasters
- Pediatric medical resources are limited

<https://www1.nyc.gov/site/planning/data-maps/nyc-population/population-facts> (NYC Population Facts-NYC.gov)



# What is the NYC Pediatric Disaster Coalition

- Founded in 2008
- Supported by HHS Assistant Secretary for Preparedness and Response (ASPR) Hospital Preparedness Program (HPP) funds, and administered by the NYC DOHMH
- Principal Investigators at Maimonides Medical Center Children's Hospital and Pediatric Trauma Center
- Collaborate with hospitals across NYC, FDNY-EMS, NYC Emergency Management, DOHMH, MRC
- Focus on planning and exercises with hospitals, primary/urgent care and long term care facilities
- Provide pediatric expertise for public health emergencies (e.g., H1N1, Hurricane Sandy, Ebola)
- Member of the New York City Health Care Coalition (NYCHCC)
- Advance Pediatric Disaster Planning through leadership in national/International organizations
- Presenting at local, national and international conferences to promote pediatric disaster preparedness



# Pediatric Disaster Coalition: Goal and Mission

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**Goal:** Prepare NYC for a pediatric mass casualty event by matching resources to needs. To provide the best care possible for pediatric patients during disasters. To develop and disseminate information and guidance on pediatric disaster planning and response on a local, national and international level.

**Mission:**

- For every child to receive the highest standard of care during and after a disaster.
- For every hospital and community facility to have a plan specifically addressing the needs of children
- For NYC to operationalize a citywide pediatric disaster plan from scene triage to primary and secondary transport to facility surge/evacuation through exercises and developing lessons learned from real events
- For the PDC to act as subject matter experts for both planning and response for children in disasters
- To advocate for children and disseminate information on pediatric disaster planning



# Pediatric Disaster Coalition – Accomplishments

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- National/Internat. leader in Pediatric Preparedness (NPDC, WADEM)
- Developed Surge and Evacuation plans, templates, and guidance:
  - Pediatric Intensive Care Unit
  - Neonatal Intensive Care Unit
  - Pediatric Hospitals
  - Obstetric (Labor and Delivery)/Newborn Unit
  - Pediatric Long Term Care
  - Pediatric OPD/Urgent Care
- Collaborated with FDNY/EMS to develop modified START Triage for pediatric mass casualty victims
- Developed Pediatric Disaster Exercise Toolkit
- Provided SME and Guidance During Real Events
- Provided direct technical assistance to hospitals to implement their pediatric plans:
  - PICU (23)
  - NICU (20)
  - Pediatric Service (8)
  - Obstetric (15)
  - Pediatric Long Term Care (1)
  - Outpatient Care Sites (9)
- Developed a citywide plan for pediatric surge (in draft)
- Conducted a 28 hospitals multi-hospital pediatric surge exercise
- Provided Training in Pediatric Fundamentals of Critical Care
- Hurricane Sandy Report and Recommendations
- H1N1, Haiti, Ebola response

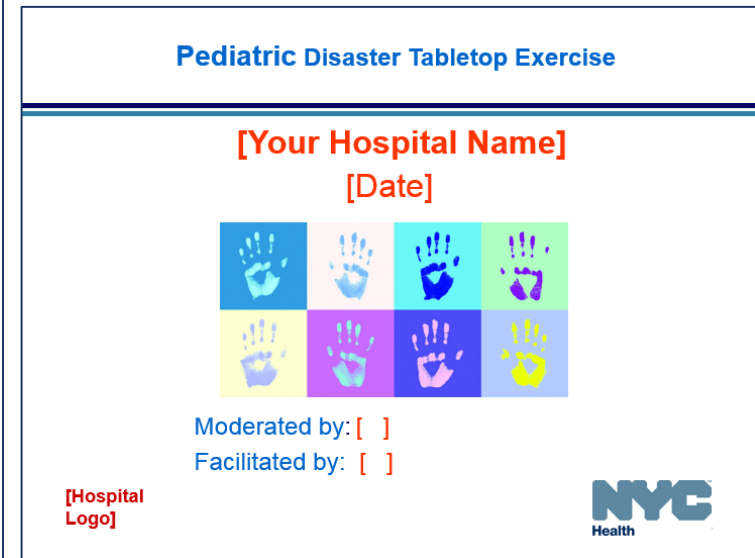
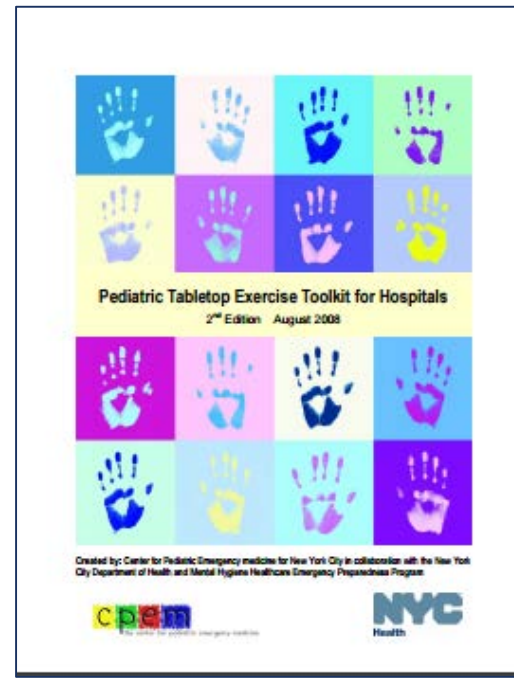
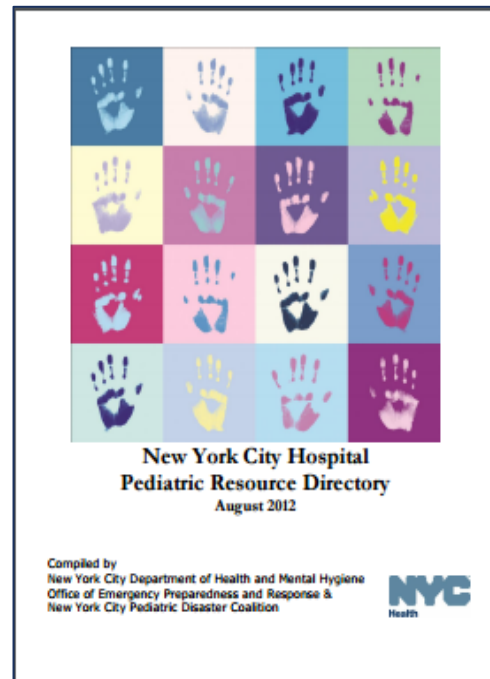
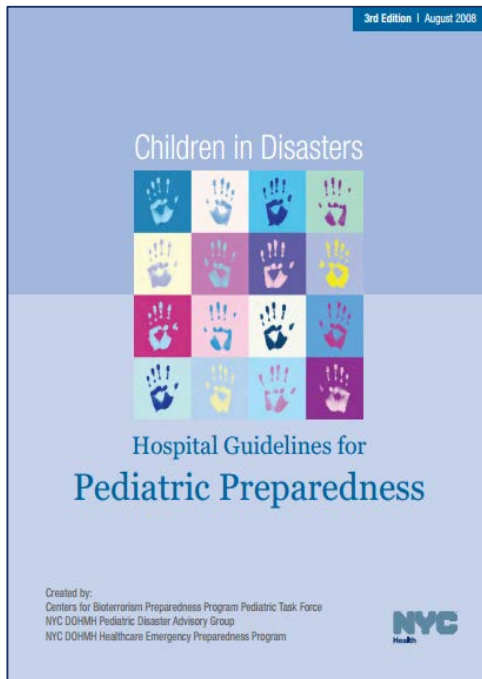


# NYC Pediatric Disaster Coalition

## Plans and Exercises Completed 2013 - Present

Plans	Total Completed	Total to Complete in (2018-19) Bp1 (SUPP)	Total in Units /Sites NYC	Percent Covered (07/2018)	Exercises
Pediatric Hospitals Including PICU Non PICU Surge	28	0	28	100% (N=28)	(8) FSE (1)13 Hospital Virtual Surge/Communication (1)*28 Hospitals, Surge PDP, communications  *The multi hospital exercises were not exclusive to PICU
NICU Evacuation and Surge	14	6	38	36% (N=14)	3
Obstetric Services Evacuation and Surge	9	6	38	24% (N=9)	1
Primary Care Clinic	5	4	40 FQHC Networks= 389 Sites 11 Non-FQHC Networks= 120 Active Sites *This data is from PCEPN/CHCANYS These sites are not exclusive to pediatrics	Indeterminate Does not include all sites seeing pediatric patients	
Long Term Care (Peds-NH)	1	0	5 (1 site pediatrics only completed, 4 others mixed population adults/children)	20%	

# Pediatric Disaster Coalition – Accomplishments





# Pediatric Disaster Coalition Website



About Us



Partners



Resources



In The News



# NYC Pediatric Disaster Coalition Presentations

Conference Name	No. Abstracts	Year	National/ International Conference
International Preparedness and Emergencies Disasters (Israel)	4	2016	International
	2	2018	
World Association of Disaster Medicine	4	2017	International
	4	2019	
Pediatric Academic Society	3	2016	National
	1	2018	
Public Health Preparedness Summit	1	2016	National
	1	2017	
	3	2019	
Society for Disaster Medicine and Public Health	1	2016	National
Pediatric Complex Care	1	2016	National
National Healthcare Coalition Preparedness	4	2016	National
	3	2018	
National Collegiate Emergency Medical Services Foundation Conference	1	2017	National
	1	2018	
National Homeland Security	1	2018	National
<b>Total Abstracts Presented</b>	<b>35</b>		

# NYC Pediatric Disaster Plan

- PDC drafted the NYC Pediatric Disaster Plan in coordination with FDNY-EMS, DOHMH, MRC and NYCEM
- The plan addresses scene triage, initial transport, and coordination of inter-facility transfers of pediatric patients injured in a large-scale mass casualty incident
  - Allows EMS to transport pediatric patients to specific tiered hospitals with pediatric capability
  - Provides Pediatric Critical Care expertise to advise on prioritization of patients for inter-facility transfers to critical care or subspecialty capable hospitals
- Elements of the Pediatric Disaster Plan are being incorporated into current interagency planning for a citywide mass casualty response plan to address the needs of adult and pediatric burn and trauma patients



# Pediatric Disaster Surge Exercise in 2017

- Date: May 25, 2017
- Participants: 28 Hospitals; FDNY-EMS Operations, Communications, and Office of Medical Affairs; DOHMH; Medical Reserve Corps; NYC Emergency Management; PDC and Pediatric Intensivist Response Team
- Scenario: Multiple simultaneous explosions at or near schools
- Objectives:
  1. To demonstrate interagency coordination of secondary transport of pediatric patients during an activation of the draft NYC Pediatric Disaster Plan.
  2. To validate hospitals' ability to surge in response to a large pediatric disaster, triage and prioritize patients that require secondary transport, and communicate with response agencies during an activation of the NYC Pediatric Disaster Plan.
- Selected Outcomes/Lessons Learned:
  1. **1105 Pediatric inpatient Surge Beds (baseline 1039) – capacity double**
  2. **254 PICU Surge Beds (baseline 224 beds) – more than double capacity**



# NYC Pediatric Disaster Coalition – Activities BP1 Supplement (2018-19)

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Create and implement six (6) hospital specific plans for Obstetric /Newborn and Neonatal Surge and Evacuation through a disaster planning training series

- Bronx Lebanon Hospital Center – Concourse Pavilion
- New York Presbyterian - Queens
- New York Presbyterian -Brooklyn Methodist
- Jacobi Medical Center
- Brooklyn Hospital Center
- Steven & Alexandra Cohen Children's Medical Center of NY



# NYC Pediatric Disaster Coalition

## Activities BP1 Supplement 2018-19 (Cont.)

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### Create and Test the Pediatric Outpatient/Urgent Care Disaster Plan Self-Use Toolkit

Model disaster plan creation at four outpatient care site

- PM Pediatrics Cobble Hill-Pediatric Urgent Care Center
- Cohen Children's Hospital-Outpatient Pediatrics
- Maimonides Medical Center -Outpatient Pediatrics
- New York City Health Hospitals/Gotham Health Cumberland-Outpatient Pediatrics

# NYC Pediatric Disaster Coalition Activities BP1 Supplement 2018-19 (Cont.)

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## Activities Related to the NYC Disaster Plan

- Conducted 2 Webinars and upcoming tabletop on elements of the Pediatric Disaster Plan in regard to the **Pediatric Intensive Care Response Team (PIRT)** Response to Disasters including sorting and prioritizing patients for secondary transport
- Established PIRT 24/7 on call schedule
- Provided input and discussion on the development of a unified NYC Pediatric, Burn, Trauma Mass Casualty Event Plan to be implemented in the upcoming year through cooperation with DOHMH, NYCEM, FDNY/EMS



# NYC Pediatric Disaster Coalition Activities BP1 Supplement 2018-19 (Cont.)

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## Providing Subject Matter Expertise and Participation

- Queens County Emergency Preparedness Healthcare Coalition (QCEPHC)
- Emergency Preparedness Coalition of Manhattan (EPCOM)
  - The Brooklyn Coalition
- New York City Healthcare Coalition Leadership Council
- Emergency Preparedness Symposium Meetings
- Governing Board NYC Health Care Coalition
- National Pediatric Disaster Coalition/ WADEM-Pediatric Subject Matter Interest Group





# NYC Pediatric Disaster Coalition Activities BP1 Supplement 2018-19 (Cont.)

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## Provided Input to National Initiatives

- Provided solicited comments and recommendations to:
  - ASPR on the National Pediatric Disaster Initiative.
  - TRACIE on the development and creation of the Pediatric Surge Annex Template



# NYC Pediatric Disaster Coalition Activities BP1 Supplement 2018-19 (Cont.)

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## Conferences and Presentations

- Public Health Preparedness Summit (3)
- National Homeland Security Conference (1)
- National Healthcare Coalition Preparedness Conference (3)
- World Association for Disaster and Emergency Medicine (4)



# NYC Pediatric Disaster Coalition BP1 (2019-20)

## Next Steps

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- 3 OB/Newborn Surge and Evacuation Plans
- 3 NICU Surge and Evacuation Plans
- Develop plan to implement citywide roll out of OPD/Urgent Care Pediatric Disaster Plan
- Develop ASPR directed Pediatric Annex Plan to the NYC Surge Plan
- Conduct ASPR directed Tabletop Surge Exercise of the Pediatric Annex plan
- Continue work on unified Pediatric/Burn/Trauma/MCI Plan
- Provide SME to Coalitions, Surge X Planning and Steering Committees
- Present at IPRED, NHCPC, PHPS, etc. Conferences



# Thank You for your Time!

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**Updated  
website**

Website:

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