



Checklist

Essential Pediatric Domains and Considerations for
Every Hospital's Disaster Preparedness Policies

User Instructions

Please note that this version of the checklist is an interactive pdf file for use on desktop or laptop computers. An interactive pdf allows you to enter and save data and navigate the document more easily.

Desktop or Laptop Users

- **Navigating:** At the top of each page, users can click on the “Previous Page” or “Next Page” arrows to move backward or forward in the document. At the bottom of each page are tabs that when clicked will jump users to a specific section in the document. Under the Domains 1-10 section is another set of tabs allowing users to navigate between the 10 domains.
- **Entering Information:** On each Domain page, users can click either the “Yes” or “No” boxes and enter text into each “Notes/Implementation Plan” box.
- **Saving the Document:** Adobe Acrobat Standard users can click “File, Save as.” Rename the file, then click “Save.” This will save a new copy of the form with your entered data. Adobe Acrobat Pro users can click “Save” and all data entered will be saved automatically.

Tablet Users

- **Orientation:** If viewing this document on a tablet, please view in horizontal orientation.
- **Navigating:** Tablet users may or may not see the interactive elements depending on the type of tablet used. Note that the “Previous Page” and “Next Page” arrows, and the navigation tabs at the bottom of each page will not work on a tablet device. Instead, use your finger to navigate through the document by scrolling up/down on the screen.
- **Entering Information:** Tablet users also will not be able to enter text directly into the document under the Domains 1-10 section. Users can, however, download the domains separately as a Word file (click the “Download Form in Word” button), and use a free document app (such as Apple’s Pages or Google Docs) to view the document and input text. If you have one of these apps already installed on your tablet, users will automatically be prompted to open the document within the app.

Introduction

Children have unique, often complex physiological, psychosocial and psychological needs that differ from adults, especially during disaster situations; and unfortunately children are often involved when disasters occur. This Checklist of Essential Pediatric Domains and Considerations for Every Hospital's Disaster Preparedness Policies is intended as a tool to help hospital administrators and leadership incorporate essential pediatric considerations into existing hospital disaster policies.

- What it is designed to do: This tool was designed to complement and augment existing disaster resources, both pediatric-specific and general, rather than to serve solely as a stand-alone document. Users may find the entire checklist useful or may focus on specific domains, depending on their unique needs and resources. The relative importance assigned to any given consideration is unique to each facility based on their specific risk assessments.
- What it is not designed to do: This is not a step-by-step guide to implementing policies. Instead, resources are provided for each domain to provide more details and help implement the considerations.

It is the consensus of national subject matter experts that the pediatric domains and considerations in this checklist be well integrated into existing all-hazards hospital disaster preparedness policies or guidelines. For example, this checklist can be used to supplement the eight healthcare preparedness capabilities so that the pediatric domains are addressed by healthcare coalitions funded by the Hospital Preparedness Program (<http://www.phe.gov/Preparedness/planning/hpp/reports/Documents/capabilities.pdf>). Furthermore, hospital disaster plans are unique to each facility and community; hence hospital administrators and managers are encouraged to work closely with their local, regional, and state healthcare systems and healthcare and/or disaster coalitions, national disaster partners, and their corresponding local chapters to adapt recommendations to their local needs, strategies, and resource availability. References to specific resources are included at the end of the document to assist users in finding relevant literature and best practices. Additionally, a comprehensive compendium of pediatric disaster resources and searchable databases is now available from the National Library of Medicine Disaster Information Management Research Center's Health Resources About Children in Disaster and Emergencies at <http://disaster.nlm.nih.gov/dimrc/children.html>.

Questions about or feedback on this checklist are greatly appreciated. To provide us your comments, please complete the Online Feedback Form at http://emscnrc.org/EMSC_Resources/Feedback_and_Evaluation_Forms/Hospital_Disaster_Preparedness_Checklist.aspx.

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Table of Contents

Introduction	3
Background	5
Domains 1-10	7
Domain 1: Staff coordinator to champion pediatric disaster coordination and response - roles and responsibilities	8
Domain 2: Partnership building to facilitate surge capacity	9
Domain 3: Essential resources necessary for building pediatric surge capacity	10
Domain 4: Triage, infection control, and decontamination	11
Domain 5: Family tracking, security, support, and reunification	12
Domain 6: Legal/ethical issues	13
Domain 7: Behavioral health	14
Domain 8: Children with special health care needs	15
Domain 9: Staffing, exercises, drills, and training	16
Domain 10: Recovery and resiliency	17
References and Resources By Domain	18
Acknowledgements	28

Background

Children comprise 27% of the U.S. population¹ and account for about 20% of all hospital emergency department visits.² In 2006, the Institute of Medicine's (IOM) Future of Emergency Care series reported that medical care for pediatric patients in the emergency setting continues to be uneven. The report noted deficiencies in the availability of pediatric equipment, supplies and medications, training for medical staff, and policies incorporating the unique needs of children. Furthermore, in the wake of Hurricane Katrina, the report noted that such deficiencies in everyday operational readiness are exacerbated during a disaster, calling the nation's emergency care system "poorly prepared for disasters."³

While there have been marked improvements in many areas of pediatric emergency care over the past decade,⁴ in 2010 the National Commission on Children and Disasters reported persistent deficiencies in every functional area of pediatric disaster preparedness.⁵ This report was followed in 2013 by the Preparedness, Response, and Recovery Considerations for Children and Families, a workshop convened by the IOM Forum on Medical and Public Health Preparedness for Catastrophic Events. Opening statements posited that "current state and local disaster plans often do not include specific considerations for children and families."⁶ The workshop highlighted nine major events that occurred during a seven-month period from October 24, 2012 and May 31, 2013 in which there were 176 fatalities, including 46 children (26%), and discussed the numerous near-misses that could have further increased pediatric casualties.

In 2013, the American Academy of Pediatrics, the American College of Emergency Physicians, the Emergency Nurses Association, and the EMSC Program collaborated jointly on a quality improvement initiative, the National Pediatric Readiness Project. The project initiated an assessment of more than 5,000 U.S. emergency departments and more than 4,100 facilities responded (83%).⁴ Preliminary results illustrated that less than half of all U.S. hospitals reported having written disaster plans addressing issues specific to the care of children. Based on these findings, the National Pediatric Readiness Project stakeholder group recommended convening a multidisciplinary workgroup to develop a tool to assist hospitals to assure pediatric considerations are included in existing or future disaster plans.

The primary goal of the workgroup was to build on existing resources, with a particular focus on best practice guidelines and checklists from local geographic regions, to come to consensus on essential domains of pediatric considerations that should be incorporated into disaster policies for all hospital types in the United States. While this checklist takes an all-hazards approach to pediatric hospital preparedness, it is designed primarily to identify the personnel, resources, equipment, and supplies that will be useful for rapid onset pediatric surge planning, as well as for disaster response involving pediatric patients. Specific references and links to more robust resources for disaster and pandemic events for each domain are provided at the end of the document.

Contributors to this checklist are acknowledged at the end of the document.

¹ United States Census Bureau: Age and Sex, Table 1: Population by Age and Sex 2012. Accessed April 11, 2014 from <http://www.census.gov/population/age/data/2012comp.html>.

² Centers for Disease Control and Prevention, Ambulatory and Hospital Care Statistics Branch. National Hospital Ambulatory Medical Care Survey:2010. Accessed April 10, 2014 from http://www.cdc.gov/nchs/data/ahcd/nhamcs_emergency/2010_ed_web_tables.pdf.

³ Institute of Medicine, Committee of the Future of Emergency Care in the United States Health System. Emergency Care for Children: Growing Pains. Washington, DC: National Academies Press. 2007.

⁴ National Pediatric Readiness Project. National Results. Revised March 21, 2014. Accessed April 10, 2014 from http://www.pediatricreadiness.org/State_Results/National_Results.aspx.

⁵ National Commission on Children and Disasters. 2010 Report to the President and Congress. Agency for Healthcare Research and Quality Publication No. 10-M037. Rockville, MD: Agency for Healthcare Research and Quality. October 2010.

⁶ Institute of Medicine, Forum on Medical and Public Health Preparedness for Catastrophic Events. Disaster Preparedness, Response, and Recovery Considerations for Children and Families: Workshop Summary. Washington, DC: National Academies Press. 2013.

Domains 1-10 . . .

This section of the checklist is divided into ten domains as listed below. Users can click on each Domain to navigate to that specific domain. Desktop and laptop users can click on the “Domains 1-10” button at the bottom of each page to return to this page listing. Tablet users must scroll backward/forward to this page listing.

- Domain 1: Physician/staff coordinator to champion pediatric disaster coordination and response in your facility - roles and responsibilities 8**
- Domain 2: Partnership building to facilitate surge capacity 9**
- Domain 3: Essential resources necessary for building pediatric surge capacity 10**
- Domain 4: Triage, infection control, and decontamination 11**
- Domain 5: Family tracking, security, support, and reunification 12**
- Domain 6: Legal/ethical issues 13**
- Domain 7: Behavioral health. 14**
- Domain 8: Children with special health care needs 15**
- Domain 9: Staffing, exercise, drills, and training. 16**
- Domain 10: Recovery and resiliency 17**

Domain 1: Staff coordinator to champion pediatric disaster coordination and response - roles and responsibilities

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Professionals with pediatric training in medical content and disaster response, or willing to learn about disaster response (e.g., Incident Command System courses)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Non-pediatric professionals who could advocate for and integrate the needs of children in planning and impact pediatric disaster response (e.g. neurosurgeon, trauma surgeon, other surgical subspecialists, infectious disease, adult emergency medicine physicians, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Formal designation of advocates with defined roles/responsibilities/authority, including: <ul style="list-style-type: none"> • Incorporates pediatric-specific considerations within the hazard vulnerability analysis and planning goals • Plans and coordinates disaster drills that include pediatric patients • Serves as liaison for pediatric patients/concerns on hospital committees (e.g., medical, trauma, disaster, etc.) • Assures pediatric considerations and priorities are included in all staff disaster education and training • Assures pediatric considerations and priorities are included in disaster education for prehospital providers • Assists with development and review of the hospital disaster policies, ensuring that pediatric needs are addressed • Serves as a liaison representing children to regional facilities, EMS agencies, healthcare coalitions, and organizations to promote community disaster preparedness inclusive of children • Collaborates with disaster program manager • Promotes pediatric disaster awareness in the community 	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 2: Partnership building to facilitate surge capacity

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Coalition-building and relationships (pact among hospitals and other healthcare facilities) with hospital and non-hospital stakeholders (e.g. primary care, churches, medical homes, EMS, schools, daycare centers, Red Cross, etc.) to support pediatric care and families	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Process/plan to measure, prioritize, and expand pediatric surge capacity and capabilities based on resource availability	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Process to facilitate the triage of patients including children for transport from the prehospital setting to the appropriate destination	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Defined pediatric transfer processes, i.e., agreements and guidelines to facilitate movement of children needing pediatric specialty facilities as well as those more stable children needing to be moved to increase surge capacity of specialty centers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Telemedicine/telephone consultation agreements, processes, and equipment to facilitate provision of pediatric care in facilities not typically caring for children	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Method to integrate facility disaster policy with community and regional disaster plans, including prehospital systems of care	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 3: Essential resources necessary for building pediatric surge capacity

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Plan for expanded and alternative space for pediatric surge for key services: <ul style="list-style-type: none"> • Alternative care sites (including sites for the provision of general inpatient and outpatient overflow and specialty care, such as critical care, technology dependent care, surgery, etc.) • Decontamination showers and mass decon areas • Family staging/waiting 	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pediatric equipment (e.g. ventilators, isolettes; consider equipment and supplies to support children with special health care needs) No. in facility: _____ No. in neighboring facilities: _____ Memorandum of Understandings (MOUs) to obtain additional equipment for surge	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pharmaceutical needs and drug administration aides (pediatric appropriate drugs, dosing, and administration guidelines including specific pediatric antidote dosing requirements for exposure to chemical/biological agents, access to pharmaceutical caches and stockpiles, Broselow tapes, kilogram scales, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Dietary needs: regular formula, special formula (non-dairy, lactose free), infant foods, and equipment (bottles, feeding tubes) to meet surge	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Supplies and accommodations (e.g. cribs, diapers, recliner for parents) No.in facility: _____ No. in neighboring facilities: _____ MOUs to obtain additional supplies for surge	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Needs for prolonged patient stays in your facility when transfer not immediately possible (shelter in place)	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 4: Triage, infection control, and decontamination

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Pediatric disaster triage processes that include defined process when infectious disease or exposure is suspected	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Temperature- and pressure-regulated water controls for pediatric decontamination, especially for small children	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Process for keeping families together during decontamination	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Disposable pediatric-sized face masks	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pediatric isolation capabilities (e.g., contact, airborne)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Process for disinfection of communally available toys in the facility	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Shelter in place and evacuation procedures for children	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 5: Family tracking, security, support, and reunification

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Child identification (ID) forms and ID bands for all children arriving at the hospital listing information available from verbal children (name, age, parent name, address/phone, and possibly allergies) and identifying characteristics and intake source (where did they arrive from and who brought them in) of nonverbal children	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Central transfer/tracking tool with capacity to record children's photos/ID information. This should include digital camera and photo printing capabilities	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Processes defined to support family togetherness and reunification during triage, care, and post disaster	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Procedures/staff/volunteers to care for unattended children brought in to the hospital	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Process for maintaining or increasing adequate security for existing pediatric patients in all areas of the hospital in addition to the emergency department	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Specialized, separate spaces for injured/ill and non-injured/non-ill unaccompanied children with security guard and appropriate staff	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Defined security, support, and reunification processes for non-verbal children	<input type="checkbox"/> Yes <input type="checkbox"/> No	
OB/GYN – the unique considerations of disasters on pregnant women, delivery, breastfeeding, and care of newborns	<input type="checkbox"/> Yes <input type="checkbox"/> No	
A plan to establish a Family Information and Support Center (which could include staffing by volunteers)	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 6: Legal/ethical issues

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Policies and education regarding assents/consents for pediatric assessment, testing, or treatment with or without a parent in a disaster situation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Review and understand ability to require vaccination, testing, or treatment notwithstanding parental or other consent	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Coordinate with credentialing bodies for healthcare personnel and understand scope of practice for all healthcare providers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Procedures/staff/volunteers to care for unattended children brought in to the hospital	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Process for rapid credential verification and privileges. Does the state participate in the volunteer license reciprocity programs?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Reporting of pediatric adverse events, including maltreatment/violence	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Plan addressing allocation of scarce resources for children and adolescents (e.g., mechanical ventilators and pumps, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Understand the process for obtaining and impact of a waiver of Emergency Medical Treatment and Labor Act (EMTALA), State Children's Health Insurance Program (SCHIP), or other federal or state laws during declared emergencies	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Legal requirements to plan and prepare for pediatric needs during emergencies	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Liability and protections related to the implementation of crisis standards of care during declared emergencies/disasters	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 7: Behavioral health

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Pediatric psychological first aid protocols and training for all responders	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Waiting area and discharge information sheets with tips for pediatric mental health/stress responses and resources	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Mental health professionals incorporated into pediatric care-review process (PI/QI/AAR/CAP)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pediatric mental health screening procedures and staff education to identify at-risk individuals based on nature and degree of exposures potentially needing additional behavioral health services and follow-up (e.g., death of family member)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Assessment and identification of pediatric mental health resource availability in the facility and the community	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Death notification and bereavement support	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Policies and processes to reduce unnecessary exposure of children (and caregivers) to television and other potentially sensitizing stimuli (e.g., curtains to reduce exposure to injured patients and other traumatic images)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Rapid access to urgent evaluation and treatment services when indicated	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 8: Children with special health care needs

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Care considerations specific to neonates	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Care considerations specific to children with developmental disabilities and/or physical limitations and disability	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Specialized equipment (e.g., wheelchairs, ventilators, pediatric feeding tubes, pediatric suction catheters, trachs, portable source of electricity, etc.) or MOUs to obtain (see Domain 2: Resources)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Medications and related dietary needs	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Process to estimate hospital surge demands for children with special health care needs (CSHCN). Consider: <ul style="list-style-type: none"> • An estimate of the number of CSHCN in community (may want to work with state to identify number and types of special needs in catchment area to assure they can be addressed in a disaster; for example: Supplemental Assistance Nutrition Program in Delaware) • Resource availability (e.g., special equipment, facilities) • Healthcare professionals and other potential caretakers with which to partner (e.g., prehospital personnel, home health, and parent support organizations, such as Family Voices) 	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 9: Staffing, exercises, drills, and training

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Pediatric victims are incorporated into regular exercises that test the system's ability to handle a surge in or evacuation of a variety of pediatric patients (e.g. infants, special needs). Lessons learned, after action reports, and improvement plans are incorporated into and drive improvement of hospital policy	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Staffing needs during disasters and identification/prioritization of pediatric staff/expertise to care for children or pediatric champions within institution	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Triage protocols and training to identify patients to be considered for immediate transfer (critically ill/injured or those sufficiently stable to move to another care center) and transferring patients with appropriate pediatric specific equipment and personnel	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pediatric care-review process (Process Improvement, Quality Improvement, After Action Report, Corrective Action Plans, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Curriculums and training opportunities that address gaps and increase skills specific to pediatric patients	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Domain 10: Recovery and resiliency

Pediatric Specifics to Consider/Discuss	YES/NO	Notes/Implementation Plan
Discharge disposition of children (including a tracking process and tool to assure that providers can readily communicate when and where children have been discharged or transferred to other facilities)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Short- and long-term mental health assessment and continuity of care for children’s behavioral health needs	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Culturally tailored and developmentally-focused user-friendly parent information sheets	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Partnerships with primary care and community medical homes to promote pediatric resiliency	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Bereavement support	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Professional self-care	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Partnerships with community sites, such as child care centers, schools, preschools, etc., where services can be provided, including screening, primary prevention, and treatment	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Resources and References By Domain

This section includes resources and references for each of the ten domains listed on the previous pages. Users can click on each Domain to navigate to the resources and references for that specific domain. Desktop and laptop users can click on the “Resources” button at the bottom of each page to return to this page listing. Tablet users must scroll backward/forward to this page listing.

Domain 1: Physician/staff coordinator to champion pediatric disaster	19
 coordination and response in your facility - roles and responsibilities	
Domain 2: Partnership building to facilitate surge capacity	20
Domain 3: Essential resources necessary for pediatric surge capacity	21
Domain 4: Triage, infection control, and decontamination	22
Domain 5: Family tracking, security, support, and reunification	23
Domain 6: Legal/ethical issues	24
Domain 7: Behavioral health.	25
Domain 8: Children with special health care needs.	25
Domain 9: Staffing, exercises, drills, and training	26
Domain 10: Recovery and resiliency	27
Additional Resources	28

References and Resources By Domain

Domain 1: Staff coordinator to champion pediatric disaster coordination and response - roles and responsibilities

American Academy of Pediatrics Committee on Pediatric Emergency Medicine, American College of Emergency Physicians Pediatric Committee, and Emergency Nurses Association. Joint Policy Statement—Guidelines for Care of Children in the Emergency Department. *Annals of Emergency Medicine*, 54(4). October 2009 from <http://download.journals.elsevierhealth.com/pdfs/journals/0196-0644/PIIS0196064409014358.pdf>.

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Chokshi N, Behar S, Nager A, Dorey F, & Upperman JS. Disaster Management Among Pediatric Surgeons: Preparedness, Training and Involvement. *Am J Disaster Med*, 3(1): 5-14, 2008.

Office of the Assistant Secretary for Preparedness and Response Hospital Preparedness Program .National Guidance for Hospital Preparedness, 2012. Accessed July 2014 from <http://www.phe.gov/Preparedness/planning/hpp/reports/Documents/capabilities.pdf>.

King County Healthcare Coalition Pediatric Triage Task Force, Public Health – Seattle and King County. Hospital Guidelines for Management of Pediatric Patients in Disasters. March 17, 2010. Accessed December 30, 2013 from <http://www.calhospitalprepare.org/post/hospital-guidelines-management-pediatric-patients-disasters>.

Monteiro S, Shannon M, Sandora TJ, and Chung S. Pediatric Aspects of Hospital Preparedness. *Clinical Pediatric Emergency Medicine* 10(3); 2009.

The Joint Commission. New and Revised Requirements Address Emergency Management Oversight. The Joint Commission Perspective 33(7); July 2013. Accessed July 8, 2014 from http://www.jointcommission.org/assets/1/18/JCP0713_Emergency_Mgmt_Oversight.pdf.

University of Massachusetts Medical School, Interprofessional Center for Experiential Learning and Simulation. Pediatric Disaster Life Support from <http://www.umassmed.edu/icels/certification-courses/>.

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Hospital All-Hazards Self-Assessment. Accessed March 2, 2014 from http://www.cdc.gov/phpr/healthcare/documents/HAH_508_Compliant_Final.pdf.

Institute of Medicine. Preparedness, Response, and Recovery Considerations for Children and Families-Workshop Summary. December 17, 2013. Accessed July 2014 from <http://www.iom.edu/Reports/2013/Preparedness-Response-and-Recovery-Considerations-for-Children-and-Families.aspx>.

Domain 2: Partnership-building for surge capacity

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Contra Costa Health Services, Emergency Medical Services. Pediatric/Neonatal Disaster and Medical Surge Plan and Preparedness Toolkit. Revised May 2011. Martinez, CA. Accessed Jan 8, 2014 from <http://cchealth.org/ems/>.

EMSC National Resource Center. Pediatric Regionalization of Care Primer. Accessed May 27, 2014 from http://emscnrc.org/files/PDF/EMSC_Resources/RegionalizationPrimer.zip.

Ferrer R, Balasuriya D, Iverson E, Upperman JS. Pediatric Disaster Preparedness of a Hospital Network in a Large Metropolitan Area. *Am J Disaster Med*, 2009 (in press).

Mills JW, Curtis A, Upperman JS. Using a Geographic Information System (GIS) to Assess Pediatric Surge Potential after an Earthquake. *Disaster Medicine and Public Health Preparedness*, 2009 (in press).

New York City Department of Health and Mental Hygiene, Bureau of Health Care System Readiness. NYC Pediatric Disaster Coalition. Accessed April 29, 2014 from <http://www.pediatricdisastercoalition.org/>.

U.S. Department of Health and Human Services, Agency for Healthcare Research and Quality. Pediatric Hospital Surge Capacity in Public Health Emergencies. AHRQ Publication 09-0014. Rockville, MD. January 2009. Accessed December 30, 2013 from <http://archive.ahrq.gov/prep/pedhospital/pedhospital.pdf>.

U.S. Department of Health and Human Services, Assistant Secretary for Preparedness and Response. Hospital Preparedness Program (HPP) Measure Manual: Implementation Guidance for the HPP Program Measures (v. 1.0), July 1, 2013 – June 30, 2014. Accessed Jan 2, 2014 from <http://www.phe.gov/Preparedness/planning/evaluation/Documents/hpp-bp2-measuresguide-2013.pdf>.

U.S. Department of Health and Human Services, Assistant Secretary for Preparedness and Response. Pediatric Preparedness for Healthcare Coalitions [Webinar]. June 20, 2013. Accessed May 8, 2014 from <http://www.phe.gov/Preparedness/planning/abc/Pages/webinar-resources-130620.aspx>.

U.S. Department of Health and Human Services, Health Resources and Services Administration, Emergency Medical Services for Children, Emergency Nurses Association, and Society of Trauma Nurses. Inter Facility Transfer Toolkit for the Pediatric Patient. 2013. Accessed May 1, 2014 from http://www.emscnrc.org/EMSC_Resources/Publications.aspx.

U.S. Department of Health and Human Services, Health Resources and Services Administration, Emergency Medical Services for Children. Pediatric Regionalization of Care Primer. 2014. Accessed May 1, 2014 from http://www.emscnrc.org/EMSC_Resources/Publications.aspx.

Wei, X, Blair A, Christian S, et al. Implementing Telemedicine in Medical Emergency Response: Concept of Operation for Regional Telemedicine Hub. *Journal of Medical Systems* 36(3); 1651 – 1660. 2010. doi: 10.1007/s10916-010-9626-5.

Domain 3: Essential resources necessary for pediatric surge capacity

American Academy of Pediatrics. Pediatric Preparedness Resource Kit. Elk Grove Village, IL; American Academy of Pediatrics; 2013. Accessed Jan 3, 2014 from <http://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/Children-and-Disasters/Documents/PedPreparednessKit.pdf>.

American Academy of Pediatrics Committee on Pediatric Emergency Medicine, American College of Emergency Physicians Pediatric Committee, and Emergency Nurses Association. Joint Policy Statement—Guidelines for Care of Children in the Emergency Department. *Annals of Emergency Medicine*, 54(4). October 2009.

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Minnesota Department of Health. Minnesota Pediatric Surge Primer and Template Plan. January 2013. URL accessed July 2014: <http://www.health.state.mn.us/oep/healthcare/pedsprimer.docx>.

Monteiro S, Shannon M, Sandora TJ, and Chung S. Pediatric Aspects of Hospital Preparedness. *Clinical Pediatric Emergency Medicine* 10(3); 2009.

Neches R, Ryutov T, Kichkaylo T, Burke RV, Claudius IA, Upperman JS. Design and Evaluation of a Disaster Preparedness Logistics Tool. *Am J Disaster Med*, 2009.

National Commission on Children and Disasters: Appendix E: Standards and Indicators for Disaster Shelter Care for Children (Updated June 2010) in National Commission on Children and Disasters: 2010 Report. Accessed June 3, 2014 from http://cybercemetery.unt.edu/archive/nccd/20110427005443/http://www.childrenanddisasters.acf.hhs.gov/reports_studies/resources/Standards%20and%20Indicators%20for%20Disaster%20Shelter%20Care%20for%20Children_NCCD%202010%20Report.pdf.

New York City Department of Health and Mental Hygiene. Bed Surge Capacity Expansion Tool (BSCET) Template [Microsoft Excel template]. Winter 2013. Accessed April 29, 2014 from <http://www.nyc.gov/html/doh/html/em/emergency-surge.shtml#spec>.

New York City Department of Health and Mental Hygiene. Patient Surge in Disasters: A Hospital Toolkit for Expanding Resources in Emergencies. (1st edition), Winter 2013. Accessed April 29, 2014 from <http://www.nyc.gov/html/doh/downloads/pdf/bhpp/hepp-hosps-bscet-wip020909.pdf>.

U.S. Department of Health and Human Services, Agency for Healthcare Research and Quality. Pediatric Hospital Surge Capacity in Public Health Emergencies. AHRQ Publication 09-0014. Rockville, MD. January 2009. Accessed December 30, 2013 from <http://archive.ahrq.gov/prep/pedhospital/pedhospital.pdf>.

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Strategic National Stockpile (SNS) [Webpage]. Accessed July 9, 2014 from <http://www.cdc.gov/phpr/stockpile/stockpile.htm>.

U.S. Department of Health and Human Services. Chemical Hazards Emergency Medical Management [website]. Accessed May 29, 2014 from <http://chemm.nlm.nih.gov/index.html>.

Domain 4: Triage, infection control, and decontamination

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Cohen R, Murphy B, Ahern T, Hackel A. Regional Disaster Planning for Neonatology. *Journal of Perinatology* 30; 709-711: 2010.

Contra Costa Health Services, Emergency Medical Services. Pediatric/Neonatal Disaster and Medical Surge Plan and Preparedness Toolkit. Revised May 2011. Martinez, CA. Accessed Jan 8, 2014 from <http://cchealth.org/ems/>.

Kissoon N. Deliberations and Recommendations of the Pediatric Emergency Mass Critical Care Task Force: Executive Summary. *Pediatric Critical Care Medicine*, 12[Suppl]: S103-S108. 2011.

Monteiro S, Shannon M, Sandora TJ, and Chung S. Pediatric Aspects of Hospital Preparedness. *Clinical Pediatric Emergency Medicine* 10(3); 2009.

Domain 5: Family tracking, security, support, and reunification

Blake N, Stevenson K. Reunification: keeping families together in crisis. *J Trauma* 2009; 67(2Suppl.): S147-S151.

Brandenburg MA, Watkins SM, Brandenburg KL, Schieche C. Operation Child-ID: Reunifying Children with their Legal Guardians after Hurricane Katrina. *Disasters* 2007; 31(3): 277-287.

Broughton DD, Allen EE, Hannemann RE, Petrikin JE. Reuniting Fractured Families After a Disaster: The Role of the National Center for Missing and Exploited Children. *Pediatrics* 177(5); S442 – S445.

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Chung S, Shannon M. Reuniting Children with their Families During Disasters: A Proposed Plan for Greater Success. *Am J Disaster Med* 2007; 2(3): 113-117.

U.S. Department of Homeland Security, Federal Emergency Management Agency. Developing and Maintaining Emergency Operations Plans: Comprehensive Preparedness Guide (CPG) 101 (V 2.0), November 2010. Accessed June 2, 2014 from http://www.fema.gov/pdf/about/divisions/npd/CPG_101_V2.pdf.

U.S. Department of Homeland Security, Federal Emergency Management Agency, American Red Cross, and National Center for missing and Exploited Children. Post-Disaster Reunification of Children: A Nationwide Approach. November 2013. Accessed June 2, 2014 from <http://national-masscarestrategy.files.wordpress.com/2013/11/post-disaster-reunification-of-children-a-nationwide-approach.pdf>.

Domain 6: Legal/ethical issues

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Centers for Disease Control and Prevention. Coordinating Pediatric Medical Care During an Influenza Pandemic Hospital Workbook. January 2010. URL accessed July 2014: http://emergency.cdc.gov/healthcare/pdf/hospital_workbook.pdf.

Hodge JG., Jr . Assessing the legal environment concerning mass casualty event planning and response. In: Phillips SJ, Knebel A, editors. Mass medical care with scarce resources: a community planning guide. Rockville (MD): Agency for Healthcare Research and Quality, Department of Health and Human Services (US); 2007. [cited 2008 Feb 18]. pp. 25–38. Also available from: URL: <http://www.ahrq.gov/research/mce/mceguide.pdf>.

Courtney, B, Hodge, JG. Legal Considerations during Pediatric Mass Critical Care Events. *Pediatric Critical Care Medicine* 2011; 12(6): S152-S156.

Hodge, JG. The Evolution of Law in Biopreparedness. *Biosecurity and Bioterrorism* 2012; 10(1):38-48.

Hodge JG, Courtney B: Assessing the Legal Standard of Care in Public Health Emergencies. *JAMA* 2010; 303(4): 361–362.

Hodge JG, Garcia AM, Anderson ED, Kaufman T: Emergency Legal Preparedness for Hospitals and Health Care Personnel. *Disaster Med Public Health Prep* 2009; 3(Suppl 2); S37–S44.

Hoffman S: Responders' Responsibility: Liability and Immunity in Public Health Emergencies. *Georgetown Law Journal* 2008; 96: 1913–1969

Courtney B: Waiving EMTALA Sanctions in Response to Public Health Emergencies. *Biosecur Bioterror* 2008; 6(3): 213–217.

Institute of Medicine Crisis Standards of Care: A Systems Framework for Catastrophic Disaster Response. (2012) Accessed July 2014 at: <http://www.iom.edu/Reports/2012/Crisis-Standards-of-Care-A-Systems-Framework-for-Catastrophic-Disaster-Response.aspx>.

Domain 7: Behavioral health

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Garrett A L, Redlener, I E. Pediatric Preparedness for Disasters, Terrorism, and Public Health Emergencies: A National Consensus Conference: 2009 Update. New York, NY. National Center for Disaster Response. 2009. Accessed December 30, 2013 from <http://hdl.handle.net/10022/AC:P:8840>.

Gold J, Montano Z, Shields S, Mahrer N, Vibhakar V, Ybarra T, Yee N, Upperman JS, Blake N, Stevenson K, & Nager A. Pediatric Disaster Preparedness in the Medical Setting: Integrating Mental Health. *Am J Disaster Med*, 4(3): 137-146, 2009.

National Child Traumatic Stress Network (NCTSN). Natural Disasters. <http://www.nctsn.org/trauma-types/natural-disasters>.

National Child Traumatic Stress Network (NCTSN). Terrorism: Healthcare Toolbox. Accessed April 26, 2014 from <http://www.healthcaretoolbox.org/>.

National Child Traumatic Stress Network (NCTSN). Terrorism: Trauma-Informed Pediatric Care. Accessed April 26, 2014 from <http://healthcaretoolbox.org/index.php/tools-and-resources/training-tools>.

Pfefferbaum B, Flynn BW, Schonfeld D, et al. The Integration of Mental and Behavioral Health Into Disaster Preparedness, Response, and Recovery. *Disaster Medicine and Public Health Preparedness* 6(1): 60-66. 2012.

Domain 8: Children with special health care needs

American Academy of Pediatrics, Committee on Pediatric Emergency Medicine and Council on Clinical Information Technology, American College of Emergency Physicians, Pediatric Emergency Medicine Committee. Policy Statement—Emergency Information Forms and Emergency Preparedness for Children with Special Health Care Needs. *Pediatrics* 125(4), April 2010. pp 829-837. doi: 10.1542/peds.2010-0186. Accessed April 30, 2014 from <http://pediatrics.aappublications.org/content/125/4/829.full>.

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Murray JS. Disaster Preparedness for Children with Special Health Care Needs and Disabilities. *Journal of Specialists in Pediatric Nursing* 16(3): 226-232. 2011.

Peacock G, Moore C, Uyeki T. Children with Special Health Care Needs and Preparedness: Experiences from Seasonal Influenza and the 2009 H1N1 Influenza Pandemic. *Disaster Medicine and Public Health Preparedness* 6(2): 91-93. 2012.

Peek L, Stough LM. Children with Disabilities in the Context of Disaster: A Social Vulnerability Perspective. *Child Development* 81(4): 1260-1270. 2010.

Institute of Medicine Crisis Standards of Care: A Systems Framework for Catastrophic Disaster Response. (2012) Accessed July 2014 at: <http://www.iom.edu/Reports/2012/Crisis-Standards-of-Care-A-Systems-Framework-for-Catastrophic-Disaster-Response.aspx>.

Domain 9: Staffing, exercises, drills, and training

Advocate Health Care; Advocate Good Shepherd Hospital. Pediatric Disaster Drills [Video]. Barrington, IL. January 8, 2013. Accessed April 26, 2014 from <http://www.youtube.com/watch?v=kAOFWxK-RoE>.

Ballow S, Behar S, Claudius I, Stevenson K, Neches R, & Upperman, JS. Hospital-based disaster preparedness for pediatric patients: How to design a realistic set of drill victims. *Am J Disaster Med*, 3(3): 171-180, 2008. <http://www.ncbi.nlm.nih.gov/pubmed/18666514>.

Behar S, Upperman JS, Ramirez M, Dorey F, & Nager A. Training Medical Staff for Pediatric Disaster Victims: A Comparison of Different Teaching Methods. *Am J Disaster Med*, 3(4): 189-99, 2008.

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Chokshi N, Behar S, Nager A, Dorey F, & Upperman JS. Disaster Management Among Pediatric Surgeons: Preparedness, Training and Involvement. *Am J Disaster Med*, 3(1): 5-14, 2008.

Claudius I, Behar S, Ballow S, Wood R, Stevenson K, Blake N, & Upperman JS. Disaster Drill Exercise Documentation and Management: Are We Drilling to Standard? *Journal of Emergency Nursing*, 34(6): 504-8, 2008.

Ferrer R, Ramirez M, Sauser K, Iverson E, & Upperman JS. Emergency Drills and Exercises in Healthcare Organization: Assessment of Pediatric Population Involvement Using After Action Reports. *Am J Disaster Med*, 4(1): 23-32, 2009.

Illinois Emergency Medical Services for Children. Disaster Preparedness Exercises Addressing the Pediatric Population. Loyola University Medical Center; Chicago, IL. 2006. Access April 25, 2014 from <http://www.luhs.org/depts/emsc/pedsexercisesdec06.pdf>.

U.S. Department of Homeland Security. Homeland Security Exercise and Evaluation Program (HSEEP) 2013. <https://www.llis.dhs.gov/HSEEP>.

Domain 10: Recovery and resiliency

Burke RV, Golabek-Goldman M, Ryutov T, Berg BM, Neches R, & Upperman JS. The Pediatrician's Role in Community Resilience Following a Disaster. *California Pediatrician*, 2-3. Summer 2009.

Centers for Bioterrorism Preparedness Program Pediatric Task Force, New York City Department of Health and Mental Hygiene. Children in Disasters: Hospital Guidelines for Pediatric Preparedness, 3rd edition, August 2008. Accessed December 30, 2013 from <http://home2.nyc.gov/html/doh/downloads/pdf/bhpp/bhpp-hospital-pediatric-guidelines.pdf>.

Garrett A L, Redlener, I E. Pediatric Preparedness for Disasters, Terrorism, and Public Health Emergencies: A National Consensus Conference: 2009 Update. New York, NY. National Center for Disaster Response. 2009. Accessed December 30, 2013 from <http://hdl.handle.net/10022/AC:P:8840>.

Markenson D, Reynolds S, Committee on Pediatric Emergency Medicine and Task Force on Terrorism. The Pediatrician and Disaster Preparedness. *Pediatrics* 117(2); e340-e362. 2006.

National Biodefense Science Board. Community Health Resilience Report. [Final Draft, v.04.16.14]. Accessed June 2, 2014 from <http://www.phe.gov/Preparedness/legal/boards/nprsb/meetings/Documents/NBSB-CHRrecommendations.pdf>.

National Center for Disaster Preparedness, Earth Institute, Columbia University. Recovery and Resiliency [Webpage]. Accessed May 7, 2014 from <http://ncdp.columbia.edu/research/recovery-resiliency/>.

National Commission on Children and Disasters. Resources on Children and Disasters [Webpage]. Accessed May 30, 2014 from <http://cybercenter.unt.edu/archive/nccd/20110427002915/http://www.childrenanddisasters.acf.hhs.gov/resources.html>.

Additional Resources

American College of Emergency Physicians. Hospital Disaster Self-Assessment Tool. April 18, 2013. Accessed on December 31, 2013 from <http://www.acep.org/clinical---practice-management/hospital-disaster-preparedness-self-assessment-tool>.

Children's Health Fund. Reforming Disaster Case Management: National Lessons from Louisiana. Report and recommendations from Disaster case management in Louisiana: A Roundtable on Recovery from hurricanes Katrina, Rita, Gustav, and Ike. Louisiana State University; December 2009. Accessed May 30, 2014 from <http://www.childrenshealthfund.org/sites/default/files/Disaster-Case-Management-Roundtable-Report-and-Recommendations-Dec-2009.pdf>.

Illinois Emergency Medical Services for Children and Pediatric Preparedness Workgroup, Illinois Terrorism Task Force. Hospital Pediatric Disaster Preparedness Checklist. Revised March 2012. Accessed December 30, 2013 from <http://www.luh.org/depts/emsc/HospPedPreparednessChecklist.doc>.

Loma Linda University Children's Hospital. Pediatric/Neonatal Disaster Reference Guide. 2012. Accessed Jan 3, 2013 from <http://cchealth.org/ems/pdf/Pediatric-Neonatal-Disaster-Reference-Guide.pdf>.

Response Systems Disaster Preparedness for Healthcare and Communities. Works nationwide with hospitals, public health and homeland security settings to prepare for disaster situations. Services include Pediatric Disaster Life Support training, disaster plan consulting, and medical surge equipment sales. <http://www.disasterpreparation.net/index.html>.

State of California Health and Human Services Agency, Emergency Medical Services Authority. EMSC Pediatric Disaster Preparedness Guidelines: LEMSAs. Las Angeles, CA: March 24, 2010. Accessed April 25, 2014 from <http://www.emsa.ca.gov/Media/Default/PDF/EMSA197.pdf>.

The Joint Commission. Hospital: Emergency Management. The Joint Commission E-dition. Effective Date January 2012. Accessed July 9, 2014 from http://www.uhnj.org/mdstfweb/The_Joint_Commission/Emergency%20Management.pdf.

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