Pediatric Preparedness Resource Catalog

This catalog contains a pictorial listing of the pediatric preparedness resources that have been developed and disseminated by Illinois EMSC through funding from the Assistant Secretary for Preparedness and Response (ASPR).

Further information is available on the Illinois EMSC website at: www.luriechildrens.org/emsc (click on the Disaster Preparedness page).
Pediatric Disaster Preparedness Guidelines

These guidelines were developed as a resource in addressing the needs of children during disaster planning. The four phases of disaster (prevention/mitigation, preparedness, response and recovery) are utilized as a framework throughout this booklet to outline the specific needs of children during a disaster event, as well as strategies and a checklist for addressing those needs.

Addressing the Needs of Children in Disaster Preparedness Exercises

This resource is for all agencies/organizations as they plan and conduct disaster drills and exercises. Inclusion of infants and children in disaster drills and exercises is an essential component in preparedness efforts and can assist in preparing agencies/organizations to meet the needs of children during an actual disaster or mass casualty incident. This second edition has expanded the target audience to all response agencies, which prompted the retitling of this edition from Disaster Preparedness Exercises Addressing the Pediatric Population (2006), to reflect the broader scope of the document.

Pediatric Disaster Triage: Utilizing the JumpSTART© Method

JumpSTART© is an objective MCI triage system that parallels the START system and addresses the developmental and physiological differences of children. Provider and instructor courses are available that review pediatric MCI triage concepts, JumpSTART© and START triage methods, and includes a skills component where students apply both triage methods. The instructor course provides attendees with the tools they need to conduct their own provider courses.

Pediatric Disaster Triage Algorithm
Pediatric Disaster Triage Scenarios: Utilizing the JumpSTART© Method

This document is offered as a resource to organizations as they conduct exercises/drills that involve mass casualty incident (MCI) triage and the use of START and JumpSTART© Triage methods. A review of START and JumpSTART© Triage is included along with six scenarios, three of which have sample victim lists.

Neonatal Intensive Care Unit (NICU) Evacuation Guidelines

Evacuation of an NICU is a high risk activity and requires a carefully planned approach due to the fragile medical condition of these infants, the various medical technology/devices they depend upon for survival, and the overall surge capacity/transfer pattern in managing an increase in NICU patients. This set of guidelines has been developed to assist in ensuring a statewide consistent approach to the evacuation process.

NICU/Nursery Evacuation Tabletop Exercise Toolkit

This toolkit utilizes information from the Illinois EMSC NICU Evacuation Guidelines as well as several NICU/Nursery Evacuation Tabletop exercises conducted by Illinois EMSC. These exercises focused on resource allocation and other key coordination components as medically fragile and technologically dependent infants needed to be mobilized and evacuated during various disaster scenarios. The toolkit provides hospitals with guidance on planning, conducting and evaluating tabletop exercises that address the NICU/Nursery population, and includes excerpts from key exercise documents such as the Situation Manual (SitMan), Master Scenario Exercise List (MSEL), Exercise Evaluation Guide (EEG) and After Action Report (AAR). Note that the concepts outlined in this toolkit are applicable in exercises that address other pediatric patient populations.

Characteristics of Biologic, Nuclear, Incendiary and Chemical Agents

This handy one-page reference sheet utilizes 3 resources to provide information on the incubation period, duration of illness, signs/symptoms and other characteristics of biologic, nuclear, incendiary and chemical agents.
Use of Strategic National Stockpile (SNS) Ventilators in the Pediatric Patient. Instructional Guidelines with Training Scenarios

A surge of pediatric patients in a pandemic may result in many children who require respiratory support in hospitals and alternate care sites that are not used to routinely caring for children on ventilators. These guidelines were developed to provide guidance to clinicians (physicians, nurses and respiratory care providers) with a baseline knowledge of pulmonary physiology and the concepts of ventilation, who may find themselves working with ventilators that are not used on a daily basis. The intent of this document is to provide clinicians with a pediatric resource for Just-in-Time training and set up of the SNS Ventilators. This document includes information on the LP-10 Volume Ventilator, the LTV 1200 Ventilator, and the UNI-VENT® Eagle ™Ventilation System.

Hospital Pediatric Preparedness Toolkit

All hospitals need to assure that they are prepared to handle the unique needs of children in a disaster event. As hospitals develop and test their emergency operations plans and other disaster related plans/policies, there are key pediatric components that should be included. The Hospital Pediatric Preparedness Checklist included in this toolkit was designed to help hospitals identify their current level of pediatric preparedness and recognize additional opportunities for improvement. The Checklist is also used during EMSC Pediatric Facility Recognition Site Surveys to evaluate the inclusion of pediatric preparedness components within hospitals' disaster plans/policies. To assist all hospitals with addressing opportunities for improvement identified after completing this checklist and/or undergoing a Pediatric Facility Recognition Site Survey, a template improvement plan is also included in this document.

Tamiflu Instructional Brochure

This brochure would be used for mass prophylaxis/treatment during a pandemic flu incident if insufficient quantities of Tamiflu suspension are available. The instructional material provides parents/caregivers with step-by-step instructions on how to create liquid suspension using an adult strength Tamiflu capsule and how to properly dose children based on their weight.
Amoxicillin Instructional Brochure

This brochure would be used for mass prophylaxis/treatment during a mass antibiotic prophylaxis/treatment incident if insufficient quantities of Amoxicillin suspension are available. The instructional material provides parents/caregivers with step-by-step instructions on how to create liquid suspension by crushing/dissolving adult strength tablets and how to properly dose children based on their weight.

Ciprofloxacin Instructional Brochure

This brochure would be used for mass prophylaxis/treatment during a mass antibiotic prophylaxis/treatment incident if insufficient quantities of Ciprofloxacin suspension are available. The instructional material provides parents/caregivers with step-by-step instructions on how to create liquid suspension by crushing/dissolving adult strength tablets and how to properly dose children based on their weight.

Doxycycline Instructional Brochure

This brochure would be used for mass prophylaxis/treatment during a mass antibiotic prophylaxis/treatment incident if insufficient quantities of Doxycycline suspension are available. The instructional material provides parents/caregivers with step-by-step instructions on how to create liquid suspension by crushing/dissolving adult strength tablets and how to properly dose children based on their weight.

Regional Pediatric Resource Guides

Resource guides have been developed for each of the eleven Illinois EMS Regions containing hospital information related to PCCC/EDAP/SEDP designation, PICU, perinatal level, trauma center and transport team resources/contact info. In addition, burn center, poison center, local health department and the self-assigned Pediatric System Decompression Category for each hospital to be used during large scale disasters is also accessible on these guides. Annual updates will be made to these guides as necessary.
**Children With Special Health Care Needs (CSHCN) Reference Guide**

In a disaster event, typical interfacility transfer patterns to pediatric tertiary care centers may be disrupted. Children with chronic conditions may need to be cared for at community hospitals. This one-page resource provides healthcare providers with quick reference information on troubleshooting assistive devices that may be seen in children with chronic conditions, ie tracheostomy, PICC line, CSF shunt, gastrostomy, colostomy, ureterostomy.

**Children and Facemasks**

Maintaining facemasks on children during an influenza event can be a challenge. This resource provides healthcare professionals and parents/caregivers with key information related to why children need to wear facemasks, who is at higher risk for infection, strategies on keeping facemasks on children, assessing children while they are wearing facemasks, and what to do when supplies of pediatric facemasks are limited.

**Caring for Non-injured and Non-ill Children in a Disaster: A Guide for Non-Medical Professionals and Volunteers**

Since children comprise nearly a quarter of the U.S. population, they will likely be impacted by any natural or man-made disaster that occurs. Non-medical professionals and community volunteers may find themselves in the position to care for, watch over or consider the needs of non-injured and non-ill children during and after a disaster. Because these individuals may not normally care for children on a day-to-day basis, they may not be aware of the specific needs of children. This guide was designed as a resource for these individuals and includes a basic understanding of how children react to disasters and responders; the specific needs (physical and emotional) of children of all ages; tips for caring for and talking to children; information on children with chronic medical or behavioral conditions; and caring for unaccompanied children.

**Emergency Preparedness Planning Guide for Child Care Centers & Child Care Homes**

Many children under the age of five spend their daytime hours away from their parents. Most of these children are in a child care center/child care home. Emergencies occurring during hours of operation require pre planning. Therefore, it is imperative to have a comprehensive written disaster plan, commonly referred to as the Emergency Operations Plan (EOP) with policies and procedures to be followed when a disaster occurs. These guidelines were developed for child care centers/child care homes in the State of Illinois to help with their development of a plan for emergency situations.
**EMSC Pediatric Reference Pocket Card**

This handy size pocket card provides a quick reference to the Pediatric Glasgow Coma Scale (PGCS), APGAR Score, Pediatric Trauma Score (PTS), normal pediatric vital sign ranges as well as guidelines for equipment, defibrillation, cardioversion and medication dosing based on age and weight.

**Pediatric & Neonatal Disaster/Surge Pocket Guide**

This guide is a resource to assist health care providers with addressing the medical needs of children during a disaster. Care considerations incorporated into this guide included: normal values, triage and assessment tools, treatments and medications, equipment, decontamination, mental health, security, and reunification.

**Patient Identification Tracking Form:**

This form, which is a tool within the state Medical Disaster Plan (see Pediatric & Neonatal Surge or Burn Surge Annex), can be utilized to track pediatric patients during a medical surge event. Information to enter on this form includes: description of the child, who accompanied the child, unaccompanied children, medical history and treatment, and disposition/discharge. There is also a section on the form to attach a photo of the child.

**Pediatric and Neonatal Care Guidelines**

During a large-scale incident, normal interfacility transfer patterns may be disrupted. Health care facilities that typically transfer their acutely ill/injured pediatric patients or children with special health care needs to pediatric tertiary care centers/specialty care centers may need to care for these patients for longer periods of time until they are able to safely transfer these patients to a higher level of care. The Pediatric and Neonatal Care Guidelines are an adjunct to the Illinois ESF-8 Plan: Pediatric and Neonatal Surge Annex and provide care guidelines for common pediatric medical conditions.