Pediatric Disaster Planning

The New York State Experience

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New York State Pediatric Disaster Planning

- Pediatric and Obstetric Emergency Preparedness Toolkit
- Disaster Mental Health: Assisting Children and Families
- Pediatric Ventilator Allocation

Pediatric and Obstetric Emergency Preparedness Toolkit

New York State Department of Health

Division of Family Health/Office of the Medical Director Health Emergency Preparedness Program

Purpose of toolkit

- Familiarity with the Pediatric and Obstetrical Toolkit and its potential applications for hospital emergency preparedness planning
- Improved understanding of how to incorporate the needs of pediatric and obstetrical patients into the hospital's comprehensive emergency management plan

What is it?

- Useful, expert-reviewed guidance document and planning tool
- May assist hospitals:
 - who do not currently serve children or pregnant/laboring women,
 - in accepting these patients in an emergency when there is a need

What does it contain?

- Divided into multiple sections to guide discussion of planning for emergencies involving children and pregnant/laboring women
- Contains tools that may save time/trigger discussion

Toolkit Sections

- Planning Guidelines
- Staffing
- Training
- Security
- Infection control
- Triage
- Prophylaxis
- Transportation
- Surge Considerations
- Equipment
- Dietary
- Childbirth
- Psychosocial Needs
- Decontamination and
 Family Information and Support Center

What it is not?

- The Toolkit is not a ready-made emergency plan
- It is not comprehensive with regard to all aspects of planning

It's intended application is through the facility's emergency preparedness planning process

Why the Toolkit?

- Allows hospitals to be proactive in their planning for emergency events
- Responds to special needs of children and laboring women in emergencies as illuminated by past events

What We Know from Past Events

- In an emergency, people go to the nearest or easiest to reach facility, whether or not these services are normally offered there
- Each facility is unique and needs a plan tailored to its own needs, resources, and circumstances
- Transfer of patients may not be feasible

A Quick Walk-Through . . .

Recommendations for Planning Section 2

- Develop a committee or workgroup within each hospital
- Develop an annex to the Comprehensive Emergency Management Plan that relates to pediatric and obstetrical patients

Recommendations for Planning

- Establish relationships with appropriate facilities so that transfers can occur, if conditions permit
- Plan for pediatric and obstetric inpatient care if transfer is delayed/impossible

Recommendations for Planning

- Appoint coordinators
 - Pediatric/Obstetric Physician Coordinator(s)
 - Pediatric/Obstetric Nursing Coordinator(s)
- Conduct clinical training
- Conduct disaster drills involving pediatric or obstetrical scenarios

Staffing Considerations Section 3

- Pre-identify staff with previous Pediatric or Obstetrical experience
- Create key Pediatric/Obstetrical Hospital Incident Command positions
- Train staff who are willing to serve
 Pediatric/Obstetrical patients in disasters

Training Considerations Section 4

- Educate staff
 - Core Principles of Disaster Management
 - Emergency Treatment of Adult, Pediatric and Obstetrical patients

Training

- Consider needs of Pediatric/Obstetrical patients when planning training courses for staff
- Consider Pediatric/Obstetrical surge capacity whether or not hospital offers these services currently

Training Resources

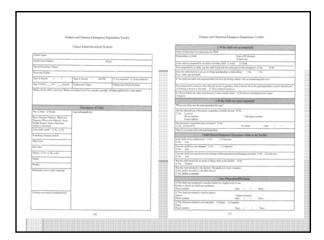
- Multiple resources listed
- Includes sources for birthing simulators

Security Section 5

- Pediatric Tracking Options
- Protocol for Rapid Identification and Protection of Displaced Children
- Child Identification Survey Form
 - Includes use of pictures for identification

Child Identification Survey

- Child demographics
- Description of child
- If the child was accompanied
- If the child was unaccompanied
- Child History/Treatment experience while at the facility
- Case Disposition/Discharge



Security

- Setting up a Pediatric Safe Area
 - Pediatric Safe Area Checklist
 - Sample Job Action Sheet for Coordinator
 - Pediatric Safe Area Registry

Infection Control Section 6

- Guidance Documents
- Cohorting of patients
- Environmental Measures
- Care of Newborns
- Staff-to-Child Ratios

Infection Control Guidance

Symptomatic:

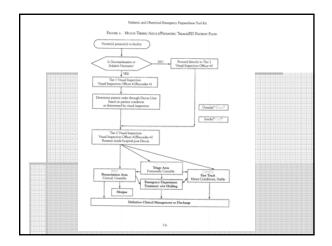
 Guidelines for Isolation Precautions in Hospitals (HICPAC)

Asymptomatic:

Caring for Our Children Guidelines (AAP and APHA)

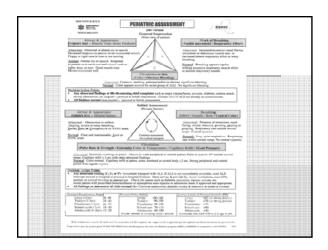
Pediatric Hospital-Based Triage Section 7

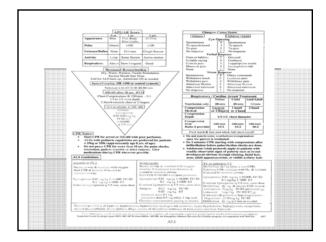
- Mass Casualties Involving Children
- Triage Recommendations
- Visual Assessment of Children
- Triage Area Management



Pediatric Hospital-Based Triage

- Overview of Triage Recommendations
 - Communication
 - Documentation
 - Personnel
 - Job Action Sheet: Visual Inspection Officer
 - Model for Pediatric Triage
 - Color Codes for Acuity and Patient Sorting

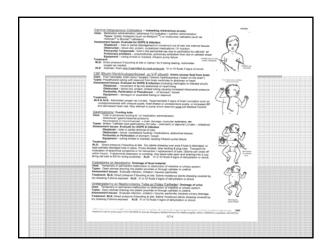




Children with Special Health Care Needs

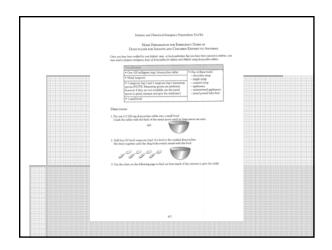
- Technology-dependent Children
- Children with Tracheostomy
- Central IV Catheters
- CSF Shunt
- Gastrostomy
- Colostomy or Ileostomy
- Ureterostomy or Nephrostomy

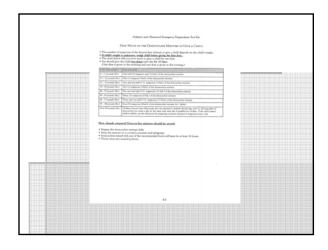


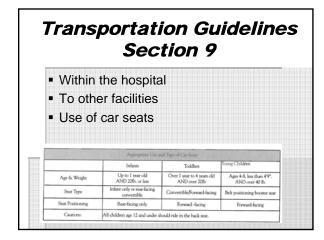


Decontamination and Prophylaxis Section 8

- Decontamination Recommendations
 - Based on the age of the child
- Home Preparations of Emergency Doses from Standard (Stockpile) Formulations
 - Caution: Check that formulation given matches the handout







Surge Considerations Section 10

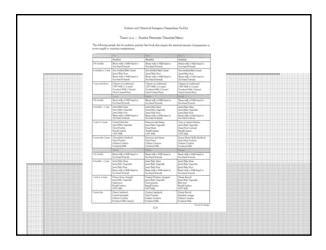
- Planning scenario
- Web sites listed for:
 - Trauma scoring/Injury severity score
 - Inter-facility transfer agreement

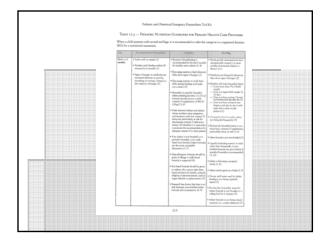
Equipment - Section 11

- Minimal pediatric equipment recommendations
- Further recommendations in Section 13.
 Emergency Childbirth

Dietary Recommendations Section 12

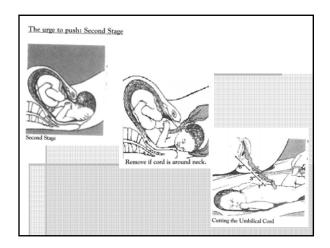
- Food that needs little or no preparation
- Sample disaster menus
- Nutrition guidelines by age
- Breastfeeding is covered in Section 13.
 Emergency Childbirth

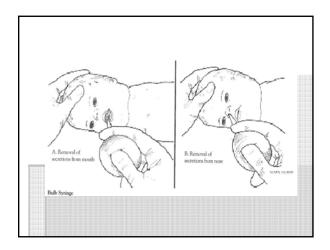


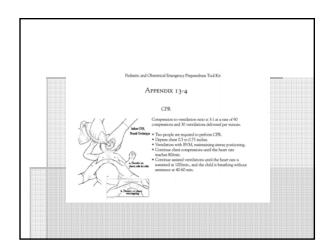


Emergency Childbirth Section 13

- More "How To" than other sections
- Supplies
- Urgent maternal history
- Guidelines for uncomplicated delivery
- Care of Baby and Mother
- Psychosocial considerations
- Neonatal resuscitation

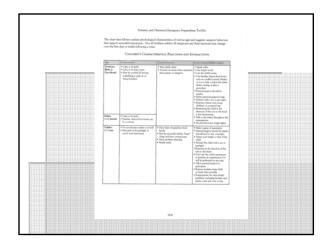






Psychosocial Needs of Children in Disasters Section 14

- Age-specific
- Developmental and cultural considerations
- When to consult a Mental Health Professional
- Legal considerations
- Fact Sheets/Resources



Family Information and Support Center - Section 15

- Useful in mass casualty events
- Place to provide reliable information
- Assist in identification process
- Assist relatives with coping
- Enable medical staff to focus on treatment of the casualties

Resources - Web-based

■ Multiple websites are listed – check these resources and download content before they are needed

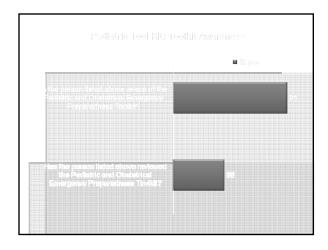
Acknowledgements ..

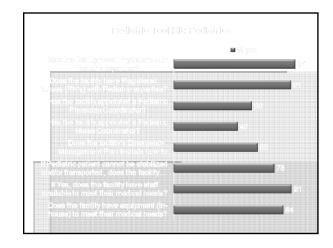
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 - Bureau of Emergency Management Systems
 - Public Health Emergency Preparedness
 - Bureau of Occupational Health
 - Office of Local Health Services
- Central New York Regional Perinatal Center
- Emergency Preparedness Coordinator University Hospital, Upstate

Survey completeness as of October 23 2009 Total Facilities: 145 Completed: 116 Partial: 4 Not Started: 25





Questions?

- BML PedsToolkit@health.state.ny.us
- Email Jeanne Behr at jcb08@health.state.ny.us









Disaster Mental Health:

Assisting Children and Families

Acknowledgments

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Photo Source: www.fema.gov

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Goals and Objectives

- Describe the basic developmental tasks, issues, and behaviors associated with childhood
- Identify a range of behavioral, emotional, and cognitive reactions that children may experience after a disaster
- Identify key components of informal and formal assessments of children's post-disaster functioning
- Describe the typical presentation of posttraumatic stress disorder in children
- Understand and describe several developmentally appropriate interventions to use with children, their parents/caregivers, and their families
- Use a general understanding of cultural differences between survivors to provide culturally appropriate interventions to children and their families
- Use knowledge about how working with child survivors of disaster-related trauma may affect you as a helper in order to provide yourself self-care

Disaster Mental Health: Assisting Children and Families

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Pediatric Ventilator Allocation

- NYS Taskforce on Life and the Law
 - Workgroup being assembled
 - Review criteria for children
- Ventilator allocation for adults
 - Allocation of ventilators in a public health disaster. Disaster Med Public Health Prep. 2008 Mar;2(1):20-6