Development of a State Pediatric & Neonatal Surge Annex

Institute of Medicine Workshop
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Illinois Demographics, 2010

- **Total Population:** 12.8 million
  - > 2.7 million children age 0–15 (21%)
    - 665,000 age 3 and younger

- **Pediatric Healthcare Resources**
  - 190 Hospitals w/Emergency Depts
  - 15 Pediatric ICUs
  - 24 Neonatal ICUs (3 in St Louis, MO)

- **1,722 Licensed Hospital Pediatric Beds (2010)**
  - 1 bed for every 1,602 children
  - Total beds decreased from 2,159 in 2007
Pediatric & Neonatal Surge Annex

- Convene key stakeholders
  - MISSION – To protect children and provide appropriate pediatric and neonatal medical care in Illinois during a disaster through the development of a statewide pediatric and neonatal strategic plan

- *Illinois Health & Medical Care Response Plan*
  - Develop Pediatric & Neonatal Surge Annex
  - Address HPP/PHEP capabilities
    - Medical Surge
    - Healthcare System Preparedness
      - At-risk populations
Pediatric & Neonatal Surge Planning Committee

- Emergency Management
- Pediatric Experts
- Neonatal Experts
- EMS/Prehospital
- Hospital representatives
  - Tertiary Care Centers
  - Regional Hospital Coordination Centers
  - Critical Access Hospitals
- Hospital Association
- Division of Specialized Care for Children (DSCC)
- Department of Children & Family Services
- Long-Term Care
- Primary Care Providers
- Public Health
- Schools
- State Disaster Response Team
- Professional Healthcare Organizations, i.e.
  - Illinois Chapter American Academy of Pediatrics
  - Illinois College of Emergency Physicians
- Border States
- Great Lakes Healthcare Partnership
Components:

- Communication
- Decision Making Process
- System Decompression
- Standards of Care
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- Communication
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Decision Making Process
Request for Pediatric Medical Resources

Illinois Emergency Management Agency
AND/OR
Illinois Department of Public Health

Regional IL Emergency Management Coordinator (thru communication center)
AND/OR
REMSC (thru duty officer)

Regional Hospital Coordinating Center (RHCC) Engages
Regional ESF-8 Plan and Regional Pediatric Annex (if developed) during a regional disaster or after requests for assistance with pediatric resource needs

Individual hospital ACS (if open)

Affected Hospital

Pediatric Expert on Incident Management Team or MACS

PICU/NICU/ Tertiary care center (IL)
PICU/NICU/ Tertiary care center (WI)
PICU/NICU/ Tertiary care center (MO)
PICU/NICU/ Tertiary care center (IN)
PICU/NICU/ Tertiary care center (IA)
PICU/NICU/ Tertiary care center (KY)

TMTS (if open)

Regional ACS (if open)

= Flow of patient information
= Flow of bed/transfer information on regional level (MACS initiated)
= Flow of bed/transfer information from state level (SIRC open)

Pediatric Expert on the Incident Management Team (remotely accessed)

Patient information provided
Bed/transfer information provided

MACS initiated

Pediatric Expert (remotely accessed vs possibly at MACS multi-agency coordination system)
Components:
- Communication
- Decision Making Process
- System Decompression
- Standards of Care
**CATEGORY 1**  
Pediatric Tertiary Care  
Centers in and around region (PICU and/or NICU)  
(includes PCCC hospitals)

**CATEGORY 2**  
Community hospitals with some pediatric services  
(includes EDAP hospitals)  
Accepts 0–12 year olds

**CATEGORY 3**  
Community hospitals with no pediatric or neonatal  
(i.e. SEDP hospitals)  
Accepts > 12 year old

**CATEGORY 4**  
Community hospitals with Level I, II or II–E nurseries  
Accepts 0–1 year old
Components:

- Communication
- Decision Making Process
- System Decompression
- Standards of Care
Pediatric Standards of Care

- **Care Guidelines**
  - Burn care
  - Inpatient Treatment Interventions
  - Newborn care
  - Pandemic
  - Premature Newborn
  - Radiation
  - Respiratory
  - Shock
  - Trauma/Blast Injury

- **Other Guidelines**:  
  - Crisis Standards of Care/Scarce Resource Allocation
  - Patient Tracking
  - Statewide Triage Process
What Helped Our Efforts

- Stakeholders were key to the process
  - Regional Healthcare Coalitions and Regional Perinatal Networks
- Adapting other state resources, i.e. Contra Costa County decompression model; New York City Hospital Guidelines for Pediatric Preparedness
- Provides framework for other at-risk populations, i.e. Burn Surge
- State EMS for Children (EMSC) program has already established partners that lent to project
Needs

- Exercise Pediatric & Neonatal Surge Annex
- Work with Regional Healthcare Coalitions to integrate pediatric concepts into regional planning
- Federal/National recommendations that support continued focus on pediatric preparedness
- Pediatric Resource Clearinghouse
- Universal Issues
  - Patient Tracking
  - Liability
THANK YOU!

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