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**NATIONAL HEALTHCARE COALITION
PREPAREDNESS CONFERENCE**

*Visions of Progress: Sustainable Strategies for
Emergency Preparedness & Resilience*

Presented By:



MESH

Little People in Big
Disasters: Are You
Prepared

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Disclosure – Pediatric Pandemic Network



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Objectives

- This session is intended to be a discussion, not just a lecture.
- Discuss importance of pediatric specific planning.
- Kentucky's Healthcare Coalitions and Pediatric Readiness.
- Overview of the Pediatric Pandemic Network (PPN).
- Overview of Kentucky's pediatric planning and training initiatives.
- Overview of the Pediatric Medical Operation Coordination Center (PMOCC).



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Pediatric Plans, Planning, and Readiness

- Why do we need special plans and planning for pediatrics?
 - Many special considerations
 - Safety
 - Family Reunification
 - Right size equipment
 - Specialty transport (neonatal especially)
- What exactly is this “Pediatric” population we need to plan for?



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What is a Pediatric Patient?

- When we're planning, this is a unique set of potential patients with very different needs:
 - Neonates (can be very scary)
 - Newborns (scary and cute)
 - 6 Months (sweet as can be)
 - Toddlers (on the move)
 - Youngsters (fun)
 - Tweens (attitude)
 - Teens (large size toddler)
 - And every kid in between!



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Pediatric Special Needs

- Other sub-sets that need special planning considerations, both in and out of hospital:
 - PICU and NICU patients.
 - Disabled or mobility issues.
 - Electrical dependent – Ventilators at home.
 - Complex medical condition(s) – medically fragile.
 - Traumatic Brain Injuries.
 - Autism and other special needs.
 - Many others...



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Kentucky's Healthcare Coalitions (HCCs)

- One team concept.
 - Plan together.
 - Train together.
 - Exercise together.
 - Respond together.
 - When 1 HCC is in response,
All are in response to support.



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Kentucky HCC Plans and Exercises

Bluegrass Healthcare Coalition Pediatric Medical Surge Event Annex

- Leverage your resources – Find your champions!
- Healthcare Coalitions
 - Peds Specific Planning and Plans.
 - HCC Peds Medical Surge Annex updates.
 - Planning with EMS/Hospitals for peds inclusion.
 - Encouraging Peds Ready and PECs.
 - Peds in Exercises
 - Peds Medical Surge TTXs.
 - State-wide Peds TTX with HCCs
 - Inclusion in Medical Response Surge Exercise (MRSE).
 - Inclusion in other community-based exercises including FSEs.



Bluegrass Healthcare Coalition Pediatric Surge TTX

After-Action Report/Improvement Plan
June 1st, 2023



Peds Equipment and Training

- Peds Equipment

- Manikins for loan to HCC members.
 - Adult and Peds ALS manikins.
 - Rescue Randy and Rescue Jennifer manikins.
- HandTevy & Broselow.
- Rural hospital and EMS peds specific equipment.
 - Broselow Carts, ALS bags, and Teddy Bears.
- Evacuation equipment for hospital NICUs/L&Ds.

- Peds Specific Training



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Peds Training Program



- Peds Specific Training for Critical Access and Community Hospitals.
 - Partnerships with Kentucky (UK) and Norton's Children's Hospitals, HPP, EMS-C, and PPN.
 - Pediatric HAL[®] advanced pediatric patient simulator.
 - Capable of simulating lifelike emotions through dynamic facial expressions, movement, and speech.
 - Dynamic lung compliance with true ventilator support.
 - Real patient monitor support: SpO₂, EKG, capnography, NIBP, live pacing, and defibrillation.
 - Emergency intervention: surgical airway, needle decompression, chest tube insertion.



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Peds Training Program



- Trauma and Medical Scenario.
- Peds equipment scavenger hunt.
- Peds MCI TTX.
- Leave behind educational materials and scenarios to use for training.
- Expand to EMS in future.



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Abby Bailey, MPA, NRP

Pediatric Pandemic Network
Norton Children's Hub Manager
Trauma/Burn Domain Manager



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Pediatric Pandemic Network (PPN)



- Mission:
 - In collaboration with the nation's children's hospitals and their communities, the network will coordinate, prepare, and enable high-quality, equitable, research-based pediatric care in emergencies, disasters, and pandemics.
- Vision:
 - Improving health outcomes of children and the resiliency of children, families and communities impacted by emergencies, disasters, and pandemics.



Pediatric Pandemic Network (PPN)

- The PPN network works collaboratively with the Emergency Medical Services for Children Innovation and Improvement Center (EIIC) and 4 ASPR funded Pediatric Centers of Excellence.



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Pediatric Pandemic Network (PPN)



Trauma Burns

CYSHCN

Reunification

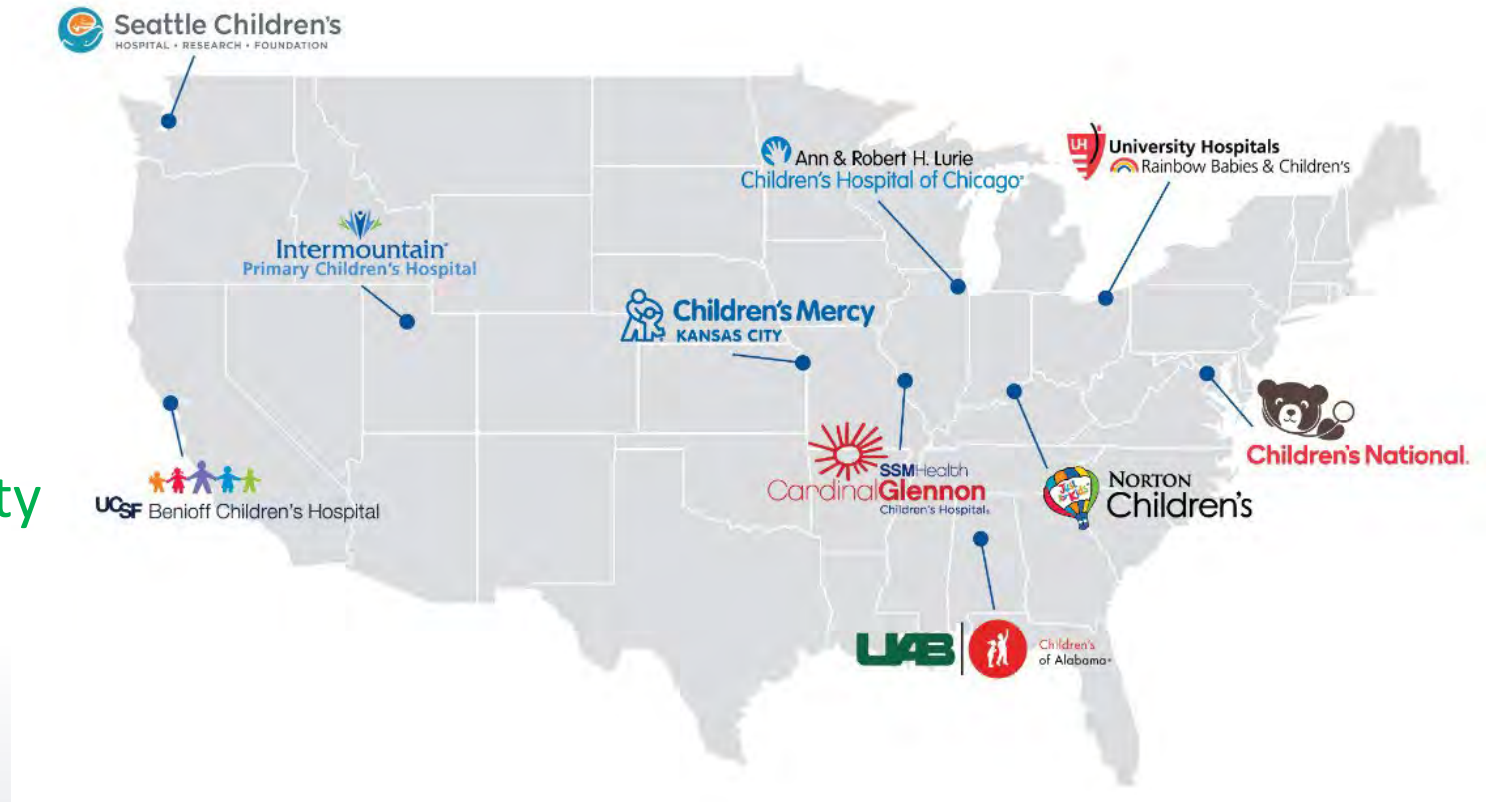
Mental Health

Disaster Core

Health Equity

Community Engagement

Deployable Assets



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The Next Big Thing

- Disaster Response Collaborative
 - Aug 2024 – June 2026
 - Open to all Children’s Hospitals
 - 4 focus areas:



Evacuation



Family Reunification



Surge Capacity



Triage/Decontamination



For more
information about
the DRC.



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KY Pediatric Emergency Planning Coalition



**Kentucky
Public Health**
Prevent. Promote. Protect.



**Kentucky
Hospital
Association**



**NORTON
Children's
Hospital**



**Office for Children with
Special Health Care Needs**



**EMSC
KENTUCKY**
EMERGENCY MEDICAL
SERVICES FOR CHILDREN



UK HealthCare
Kentucky Children's Hospital™



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Who needs to be at the planning table?

- Pediatric readiness champions
- Stakeholders
 - EMS-C
 - Associations
 - Emergency Management
 - Access and Functional Needs, Office of Children with Special Healthcare Needs
 - School RNs and Safety personnel
- Clinical experts
- C-Suite level decision makers, CMO, CEO, Program Managers, etc.



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Our First Planning Meetings Dec 2023 & July 2024



Immediate Goals

- Introductions
 - Get to know each other.
- Conversations
 - Learning each others' roles.
- Review of current training and readiness initiatives
 - Breaking down silos.
- Ideas
 - Brainstorming and open discussions.

Future Goals & Planning

- Disaster Plan Revisions
 - Lessons learned – need updates.
- Pediatric MOCC development
 - Realized gap.
- Dedicated P-MOCC Coordinator / Pediatric Readiness Coordinator needed
 - Hired Angela in July!
- Training and exercise planning
 - Collaborative training and exercises.



Pediatric Hybrid TTX – July 16, 2024



- Hosted by PPN.
- Combination in-person and virtual.
- Test theory of a peds TTX that could be shared nation-wide.
- 132 participants.
 - Primarily Hospitals, EMS, Emergency Management, and Local Health Department.
- All 8 KY Healthcare Coalitions participated.
 - Many HCC members met in person within their region.
 - Zoom rooms utilized.
 - All 8 HCC completed individual AAR/IP.
 - Very positive feedback from HCCs
 - Sparked conversations about realized gaps in planning and training.



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Angela Kik, RN, BSN, CEN, EMT

Pediatric Pandemic Network
Norton Children's Trauma/Burn Domain
Pediatric Medical Operations Center Coordinator



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Pediatric Medical Operations Coordination Center

- PMOCC Concept
 - MOCC planning is an ASPR driven HPP deliverable.
 - Proven concept in other states.
 - Kentucky developed a preliminary MOCC plan at the onset of COVID.
- Vision
 - PMOCC Coordinator (PPN funded position at Norton Children's)
 - Operationalize a PMOCC within ESF #8 ICS structure.
 - Supplements larger MOCC for peds specialty care.
 - Will assist coordination of pediatric transfers during surge events.
 - Load balancing to ensure right patient for right bed.



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What is a PMOCC

PEDIATRIC MEDICAL OPERATIONS COORDINATION CENTER

A CRITICAL METHOD OF ENSURING THAT PEDIATRIC PATIENTS ARE LOAD BALANCED ACROSS THE STATE/REGION/HOSPITALS.

A PMOCC CAN BE USED DAILY AND/OR DURING PERIODS OF HIGH ADMISSIONS SUCH AS RESPIRATORY SEASON.



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Load Balancing vs. Transfer Management

Load-Balancing = Moving patients from an overloaded hospital to less burdened facilities to distribute strain more equitably or to free up beds in a specialty center.

Transfer Management = Receive transfer requests and ensure the patients being cared for in a facility that does not provide the necessary services are prioritized and transfer arranged to a facility with the appropriate capacity and capabilities.



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What a PMOCC is NOT

- A PMOCC is NOT:
 - A standard transfer center.
 - Will not replace or interfere with usual referral patterns.
 - Will not interfere with or discourage health systems from distributing patients, prioritizing beds, or transferring within their organization.



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One Call System Concept



A PMOCC can benefit providers by providing a “one call” alternative to multiple phone calls to different hospitals and health care systems looking for a bed.



All hospitals must participate for this system to work.



Develop a dashboard that can be fed by a quick and easy-to-use survey. The dashboard will be used by an executive team who will be predominately answering the one-call system during a PMOCC activation.



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PMOCC Attributes



A central point of contact 24/7



Current facility capacity and capability information (survey and dashboard)



A mechanism for prioritizing patient transfers based on clinical information



The ability to provide or connect to specialty consultation support – telemedicine



The ability to function effectively across jurisdictional boundaries



The ability to communicate and coordinate pre-hospital care with EMS – work with KBEMS

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Medical Direction



More to come....

Provides care-in-place instructions when the patient will need continued care at the facility while awaiting transfer – could be telemedicine.

Assist in developing policy and to oversee medical aspects of operation.

Medical information will be needed to help prioritize patient movement and determine appropriate destinations.

May need specialty providers to support the PMOCC based on the situation such as trauma and burn care specialists.



PMOCC Organization



Possible plan is to integrate the PMOCC into a major health care system referral center.



Hub and spoke type organization.

Utilize the major pediatric facilities in KY as the hubs and all other facilities with pediatric capabilities will become the spokes.

Virtual operations during most activations

Coordinate with HPP/KBEMS/SEOC/local EOC

Gain KHA and hospital C-Suite approval and support

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Year One Activities



DEVELOP A PRELIMINARY PLAN FOR THE PMOCC WITH PPN HUB APPROVAL.



INVITE KEY PLAYERS TO THE TABLE TO FORM A WORKGROUP – KHA, HPP, KBEMS, NORTON CHILDREN'S, KENTUCKY CHILDREN'S.



VISIT WELL ORGANIZED AND ESTABLISHED MOCCS TO GAIN INSIGHT INTO ESTABLISHED BEST PRACTICES.



DASHBOARD DEVELOPMENT.



PROVIDE A WORKSHOP AND TTX TO TEST THE INITIAL PMOCC PLAN TO TEST THE SYSTEM.



SPEAK AT A TOWNHALL MEETING THAT KHA DOES MONTHLY. THIS IS ATTENDED BY HOSPITAL C-SUITE AND PROVIDERS.



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Year Two Activities



Actively utilize the pediatric dashboard to monitor bed status and engage HPP staff to provide encouragement to all hospital facilities to participate.



Do a state-wide functional exercise to test the system and make appropriate changes.



The goal is to have the PMOCC fully functional after the exercise.



Encourage the workgroup to stay engaged throughout this process.



PMOCC Coordinator



- Working with the PPN, HPP, and Peds Stakeholder will:
 - Operationalize a PMOCC through planning, MOUs, & exercises.
 - Liaison between PPN and HPP/HCCs.
 - Liaison between Children's Hospitals and Front-Line Acute Care Hospitals.
 - Will help coordinate pediatric transfers during surge events.
 - Will assist with pediatric education and training.
 - Will assist with pediatric surge and readiness planning.
 - Liaison between EMS agencies and hospitals for PPN.
 - A bunch of other tasks...



In Conclusion

What does all this really mean?

- Hospitals, EMS, and EM should have a comprehensive disaster plan, inclusive of pediatrics.
- Regional coordinated disaster training.
- Integration with Healthcare Coalitions, local/state/regional disaster committees, the Pediatric Pandemic Network, local stakeholders
- QI projects involving pediatric systems of care



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Questions?



HOPE
IS NOT A
GOOD PLAN



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Your Challenge...



What is your state/community doing for pediatric planning?

Can you do more?
How can we help?



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Contact Information

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