



Strengthening Coalitions Lies Deep in the Heart of Collaboration



Presented By:



Creating and Building a PECC Program in Rural America

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FABC**

Cindy Duplessis-Childers, NRP

#NHCPC25



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Disclosures

In relation to this specific presentation, I declare that there are no conflicts of interest related to this specific presentation, and no off-label use of medications will be discussed



A conflict of interest is any situation in which a speaker or immediate family members have interests, and those may cause a conflict with the current presentation. Conflicts of interest do not preclude the delivery of the talk but should be explicitly declared. These may include financial interests (eg. owning stocks of a related company, having received honoraria, consultancy fees), research interests (research support by grants or otherwise), organisational interests and gifts.



Upon Completion, Participants should be able to:

- ❖ Describe and discuss strategies/tactics for developing a PECC program.
- ❖ Understand the PECC role and its importance for all EMS agencies.
- ❖ Apply lessons learned to confront and navigate barriers.



Roles in the PECC Project

- Gail P Gibson, RN BSN, MN, CPM, FABC **(Co-PI)**
 - RN Nurse Consultant | Bureau of Family Health, Louisiana Department of Health
- Cindy Duplessis-Childers, NRP **(Program Manager)**
 - EMSC Manager | Bureau of Family Health, Louisiana Department of Health – Office of Public Health
- Toni Gross, MD, MPH **(Co-PI)**
 - (Formerly) Children's Hospital New Orleans, Chief of Emergency Medicine
- Randy Kearns, DHA, MSA, NRP_(ret.) **(Program Director)**
 - University of New Orleans, Dean of the College of Business Administration
- Meg Marino, MD **(EMSC Medical Director)**
 - New Orleans Emergency Medical Services, Chief and Medical Director



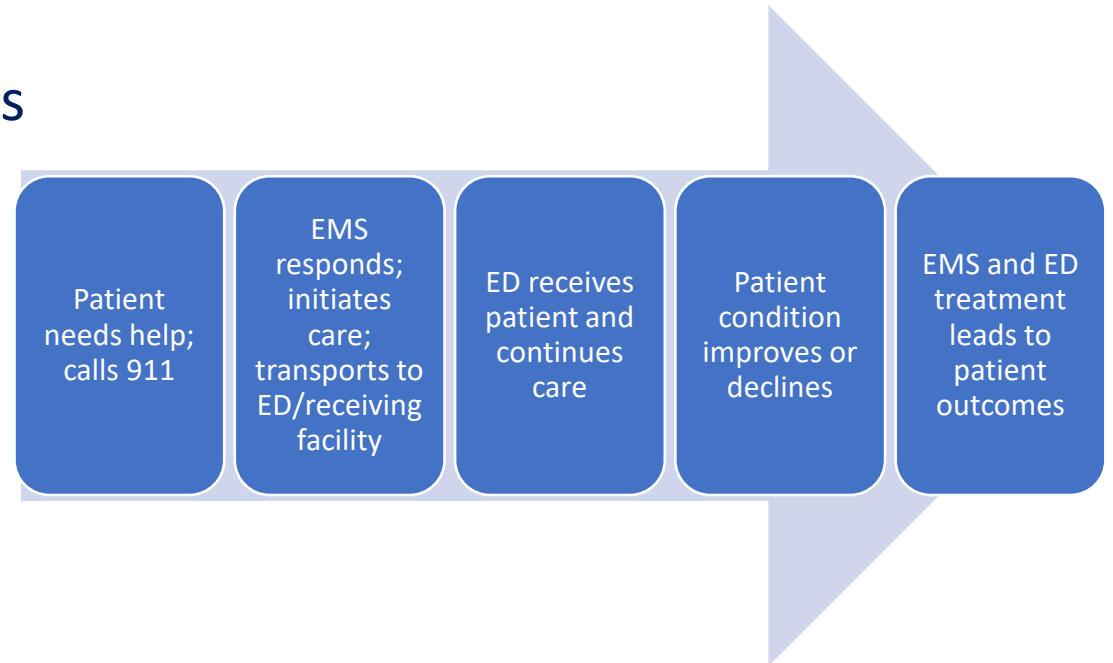
EMSC is...

- Federally funded
 - LA is one program of 56 across the nation and U.S. territories
 - Located in the Louisiana Department of Health (LDH)
- Federal Performance Measures
 - Hospital recognition (trauma & medical)
 - **Pediatric Emergency Care Coordinators (PECCs)**
 - **Policy and guideline development**
 - NEMSIS data submission (LERN)
 - EMSC Permanence
- A resource to you (EMS Agencies & Emergency Departments)

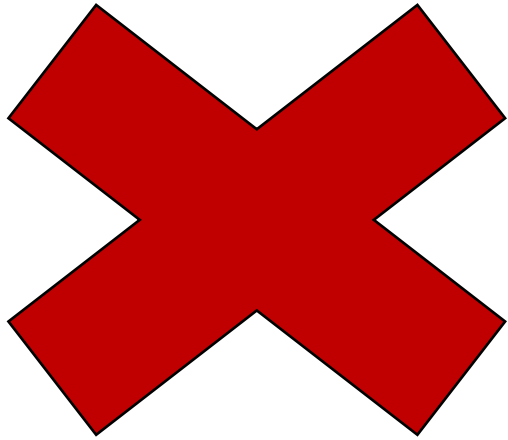


EMSC Overview

- **Mission:** Reduce child and youth mortality and morbidity rates in Louisiana by improving pediatric emergency **healthcare systems**
- **How:**
 - Data driven, evidence -based practices
 - Requires data
 - Requires practice
 - Implementing policies and guidelines
 - Requires policies
 - Requires guidelines



EMSC is not...



...State funded
...A regulatory body



PM 02: PECC

- **Pediatric Emergency Care Coordinator (PECC)**

The percentage of EMS agencies in the state or territory that have a designated individual who coordinates pediatric emergency care.

- **Target Percentage of EMS agencies in the state or territory have a designated individual who coordinates pediatric emergency care.**
 - By 2020, 30 percent of EMS agencies
 - By 2023, 60 percent of EMS agencies
 - By 2026, 90 percent of EMS agencies



Why a PECC Program?

Louisiana - Highest child mortality rate (ages 1-14) in the U.S. (2014–16)
(most complete dataset available at the time of the grant application, 2018).

System readiness in pediatric emergency care was a critical priority.



Pediatric Care Coordinator (PECC)



The PECC is dedicated to staying abreast of the most current evidence based and best practices in pre-hospital pediatric emergency care.



The PECC understands the importance of and advocates for the EMS agency to collect and submit EMS data by collaboration with the Louisiana Emergency Response Network (LERN) which is compliant with the most current version of the National EMS Information System (NEMSIS).



The PECC has direct access to EMS leadership, including inclusion, involvement, and collaboration to advocate specifically for improving pediatric care.



The Need

National literature

explains the need to improve pediatric emergency care across the nation and internationally.

Louisiana data

EMS Agencies

Individual providers



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is sobering, our pediatric morbidity and mortality rates are the highest in the nation.

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EMS Agencies

struggle to incorporate new and emerging approaches to managing pediatric patients.

Individual providers



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National literature

explains the need to improve pediatric emergency care across the nation and internationally.

Louisiana data

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EMS Agencies

struggle to incorporate new and emerging approaches to managing pediatric patients.

Individual providers

all too often make mistakes or delay treatment for pediatric patients because they lack confidence in caring for them.



The Vision

1. Reduce childhood death and disability
2. Improve prehospital emergency care for children
3. Increase everyday readiness to care for children in EMS systems
 - Consistent coordination of pediatric care



The Vision – cont.

4. Rely on individuals designated to coordinate pediatric care to assure high standards of care
5. Create an EMS Pediatric Emergency Care Coordinator Consortium
 - Facilitate data sharing, centralize education resources, and regional networking
6. Establish an EMS agency pediatric care recognition program
7. Strengthen prehospital clinician resilience





Project Aim & Stakeholder Engagement

- ❖ Uniting rural and urban providers.
- ❖ Metro areas as clinical leaders and high volume pediatric care providers

Building the PECC Network

- Started in urban services, expanded to rural areas
- Supported by EMSC leadership and HRSA grant.



Encouraging Participation

- ❖ Awareness campaigns (2018 launch).
- ❖ Semi-annual in-person and monthly virtual meetings.
- ❖ Annual state conferences (attendance doubled).
- ❖ State EMS Bureau: required reporting field for PECCs.



Challenges Faced

COVID-19 pandemic.

18 federal disaster declarations (wildfires, hurricanes, etc.).

Competing priorities for agencies.

Louisiana is now the only state in U.S. history to be hit by two hurricanes of over 150 mph. This remarkable occurrence highlights the state's vulnerability to severe weather, as it has experienced significant hurricanes in the past. [eo 99.9 KTDY](#)





Serving All Agencies

118 unique EMS agencies: non-transporting, low to no pediatric volume, rural.

Shared PECC services and expertise for smaller agencies.



Formally established in 2024 through a partnership with the EMSC Program.

Created and approved a La. PECC Consortium Charter

Chair: Mendy White

Co-Chair: Vincent Trabona

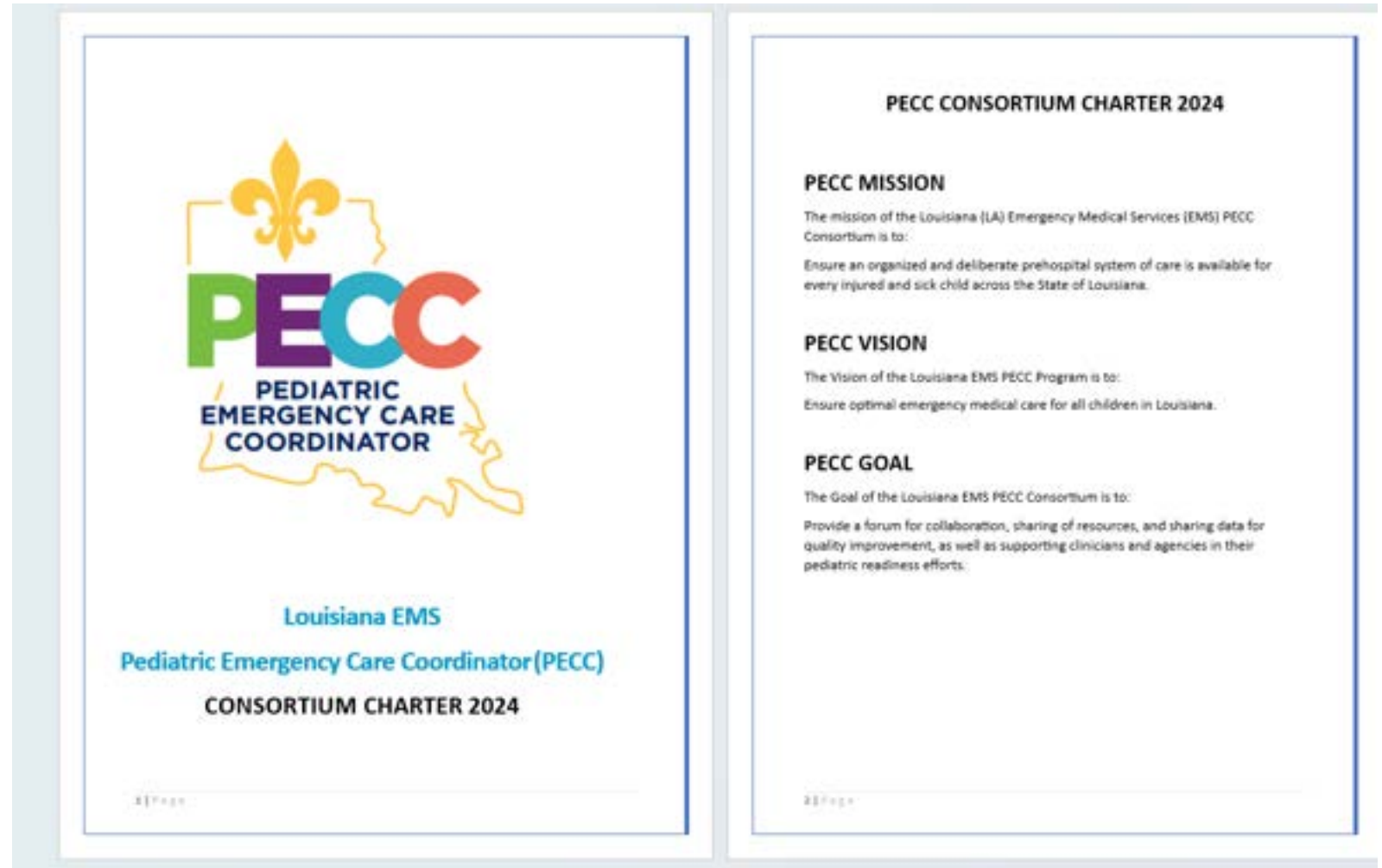
The Goal of the Louisiana EMS PECC Consortium is to:

- Provide a forum for collaboration, sharing of resources, and sharing data for quality improvement, as well as supporting clinicians and agencies in their pediatric readiness efforts



Consortium Charter

- Improving the Network.
- Shared Governance.



External Objectives



Review and promote evidence-based practices

Aggregate data for quality assurance and improvement

Coordinate resources to build community and provider capacity

Recruit PECCs from EMS agencies

Advise the Louisiana Department of Health, including an EMS Agency

Pediatric Readiness Recognition program

Provide an annual Pediatric Symposium continuing education conference



Internal Objectives



Collaborate within PECC consortium

Adapt internal procedures to maximize efficiency, promote equity, and drive innovation

Share knowledge and experience

Receive train-the-trainer education

Standardize triage, treatment, and transport protocols



Frequency and Activities

Monthly: PECC Pulse Check

Virtual

Agenda sent ahead of the meeting

Establish rapport

Introduce new members

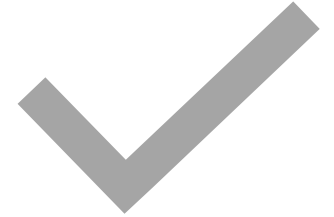
Open forum for questions, concerns

Brief educational topic



Frequency and Activities

Quarterly: Regional CE opportunities



Frequency and Activities

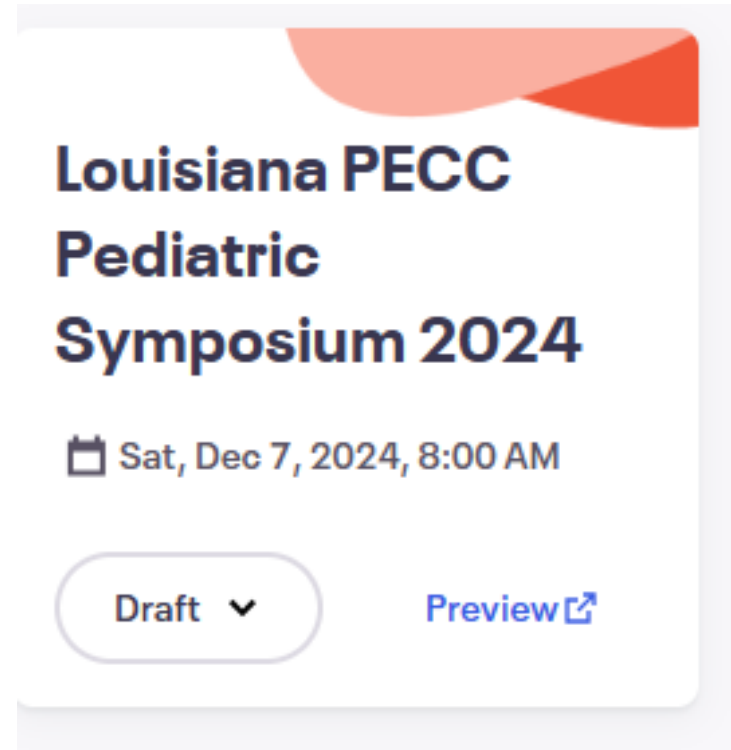
Annually: In-person

Train-the-trainer

Case reviews

Leadership elections

Set annual goals



Louisiana PECC Pediatric Symposium New Orleans, 2024



Maintaining Momentum

- ❖ Initial HRSA grant support.
- ❖ Transition to local leadership and EMSC program backing.
- ❖ Launch of PECC webpage
- ❖ Ongoing activities: monthly meetings, annual conference, provider recognition, hospital expansion.



Tracking Progress

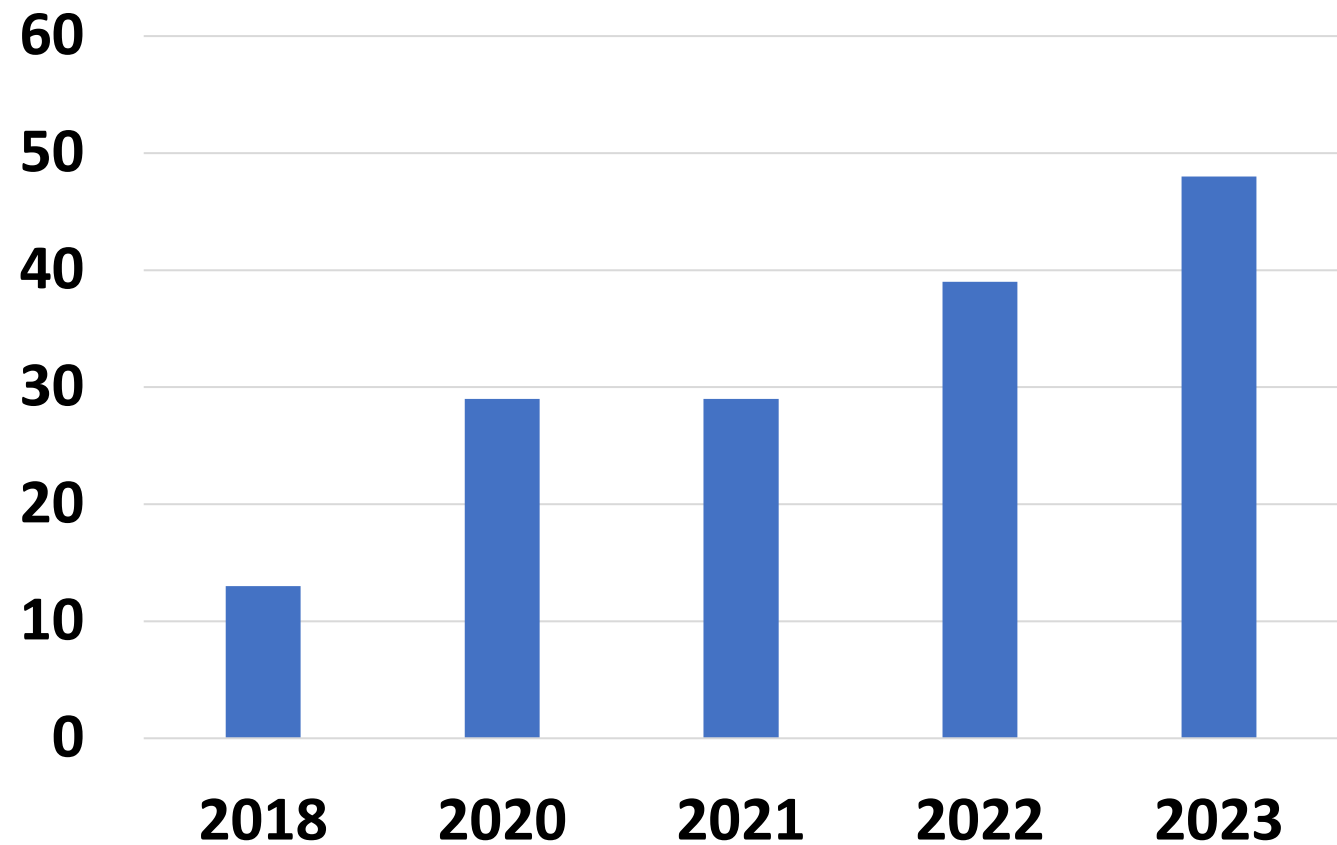
- ❖ Longitudinal Analysis (2017-2023)
- ❖ Agencies self-reporting PECC selection
- ❖ Annual statewide surveys

Program Growth

PECCs Reported by Year

| Year | Number of PECCs |
|-------|-----------------|
| ----- | ----- |
| 2018 | 13 |
| 2020 | 29 |
| 2021 | 29 |
| 2022 | 39 |
| 2023 | 48 |

PECC Growth 2018-2023



Louisiana EMS for Children Program 2023 EMS Agency Survey Results

Number of respondents: 118

Number Surveyed: 118

Response Rate; 100%

Pediatric Emergency Care
Coordinators 41.0% (48/117)
(one air-only agency excluded)

EMSC wants 100% of EMS
agencies to have a PECC be part
of the statewide consortium.



Program Impact

- ❖ 369% growth in agencies with a PECC.
- ❖ Ongoing consortium-led efforts.
- ❖ Expanding to hospitals and broader healthcare system.

What does this mean?

Opportunities abound

- for OUR pediatric patients
- for Louisiana to be a leader (new PM)
- for each agency to improve pediatric care

Agency considerations

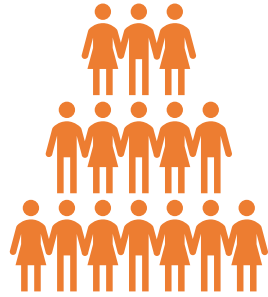
- Use current human resources (new hire is not necessary)
- Determine % of time dedication (not full time)
- 1 person may be identified for multiple agencies

Key Takeaways

- ❖ Multiple methods needed for awareness and engagement.
- ❖ Flexibility and adaptation critical in rural settings.
- ❖ Sustained growth possible with local leadership and ongoing support

Clarification

- While there were other aspects and successes from this five-year effort, the purpose of this report is to focus on the PECC component of the effort.



**EMSC will bring these individuals
together**

Collaboration, not isolation



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Thank You!

Questions?





Strengthening Coalitions Lies Deep in the Heart of Collaboration

Disaster Response for Children's Hospitals

Strategies for Effective Pediatric Disaster Planning

Jonathan Eisenberg, MD, FAAP
Brent Kaziny, MD, MA, FAAP

Presented By:



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Acknowledgments & Disclaimer

Funding Sources

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Disclaimer

The content presented here and throughout the presentation is that of the authors and does not necessarily represent the official views of, nor an endorsement by HRSA, HHS, or the U.S. Government.



Objectives

Upon completion, participants will be able to...

1. Identify disaster planning approaches to strengthen pediatric disaster management within institutions and in partnership with other hospitals, healthcare coalitions, and external partners.
2. Highlight effective communication strategies for pediatric professionals to enhance connection, engagement, and relationship building with healthcare coalitions.
3. List strategies to improve evacuation, reunification, surge, and triage/infections/decontamination planning based on actions from exercises, drills, and lessons learned from disaster response events.

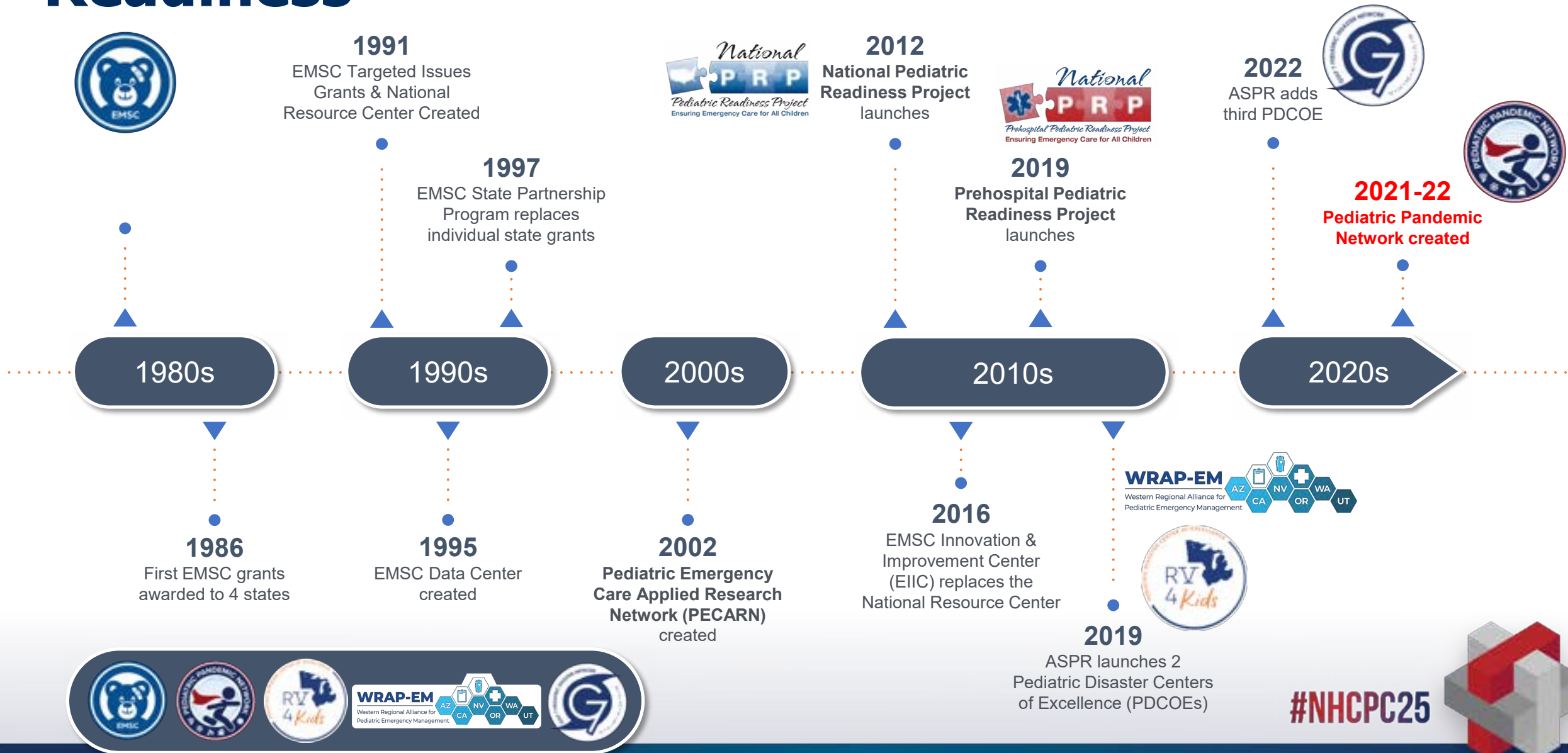


Overview

Pediatric Pandemic Network

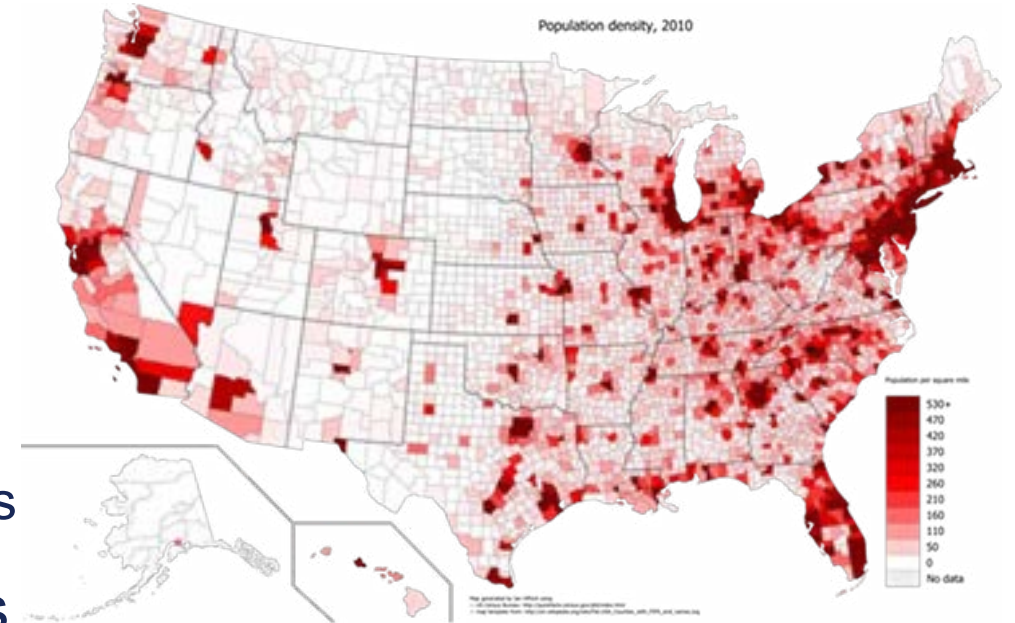


Legacy of Improving Everyday and Disaster Readiness



Pediatric Readiness

- Children represent 22% of the U.S. population
 - 30% of children/youth have special health care needs, medical complexity
 - *Systems of care* must be optimized for children:
 - Concentration of resources across urban hubs
 - Gaps in geographic representation
 - Gaps in interstate coordination & systems of care
 - Decreasing capacity: >1,000 pediatric unit closures
- Optimizing care for children in public health crises requires systems and communities to be “pediatric ready”



Closing the Gaps: Examples from COVID-19 that Remain

- Behavioral health
 - Increased volumes
 - >160,000 children experienced the loss of a primary caregiver
 - Rising pediatric suicidality
- Disparate access to resources exacerbating differences and outcomes of care
 - Cancelled surgical procedures
 - Exacerbations of chronic illnesses
- Staffing & workforce: 18.5% attrition
- Gap: a coordinated national pediatric and disaster readiness strategy





PPN Goals

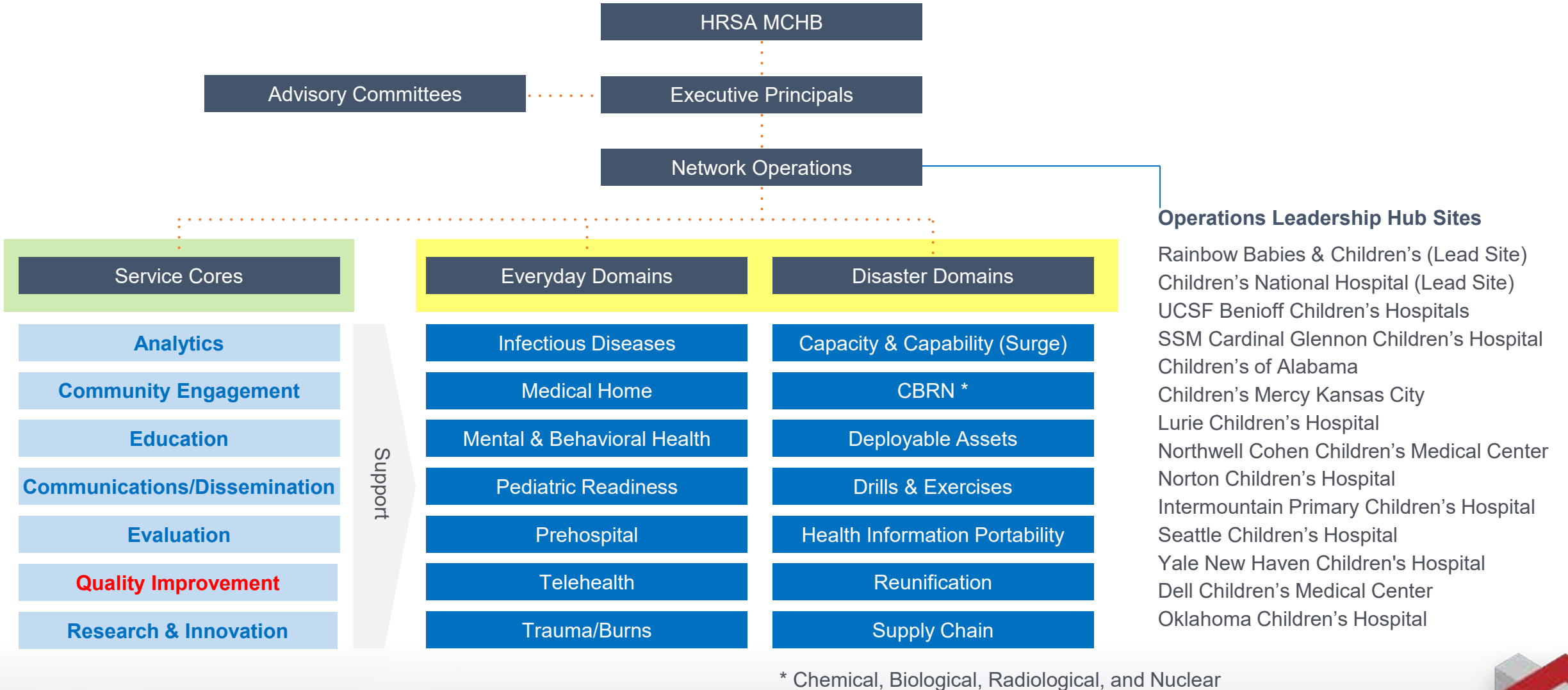
- **Expand** children's hospitals partnership with local, state, and national emergency preparedness systems
- **Collaborate** with community and other pediatric partners
- **Improve** the pediatric emergency readiness of health care systems, including hospital and prehospital systems
- **Increase** the capability of telehealth system utilization in disasters
- **Accelerate** the development and dissemination of research-informed pediatric care
- **Coordinate** research-informed responses to disaster and health threats impacting children

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PPN Organization



Task Forces: Weather
CYSHCN/Children with Medical Complexity (CMC)

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PPN Core Activities

1

Provide training, support,
and tools

2

Sharing best practices

3

Encouraging collaboration
instead of competition

4

Using a systems-based
approach to align priorities and
strategies

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PPN 2024-2025 Priority Areas

1

Infectious Diseases
and
Disease Outbreaks

2

Mental Health
and
Behavioral Health

3

Emergency
and
Disaster Management

4

Health Access
and
Community Engagement



Ultimate Goal - Ongoing/Integrated Network

The Pediatric Pandemic Network aims to empower health care systems and communities to provide high-quality, equitable care to children every day and in crises.

- DNC: strengthen pediatric disaster preparedness in US children's hospitals.
- DRC: improve pediatric disaster response capability and capacity among children's hospitals.

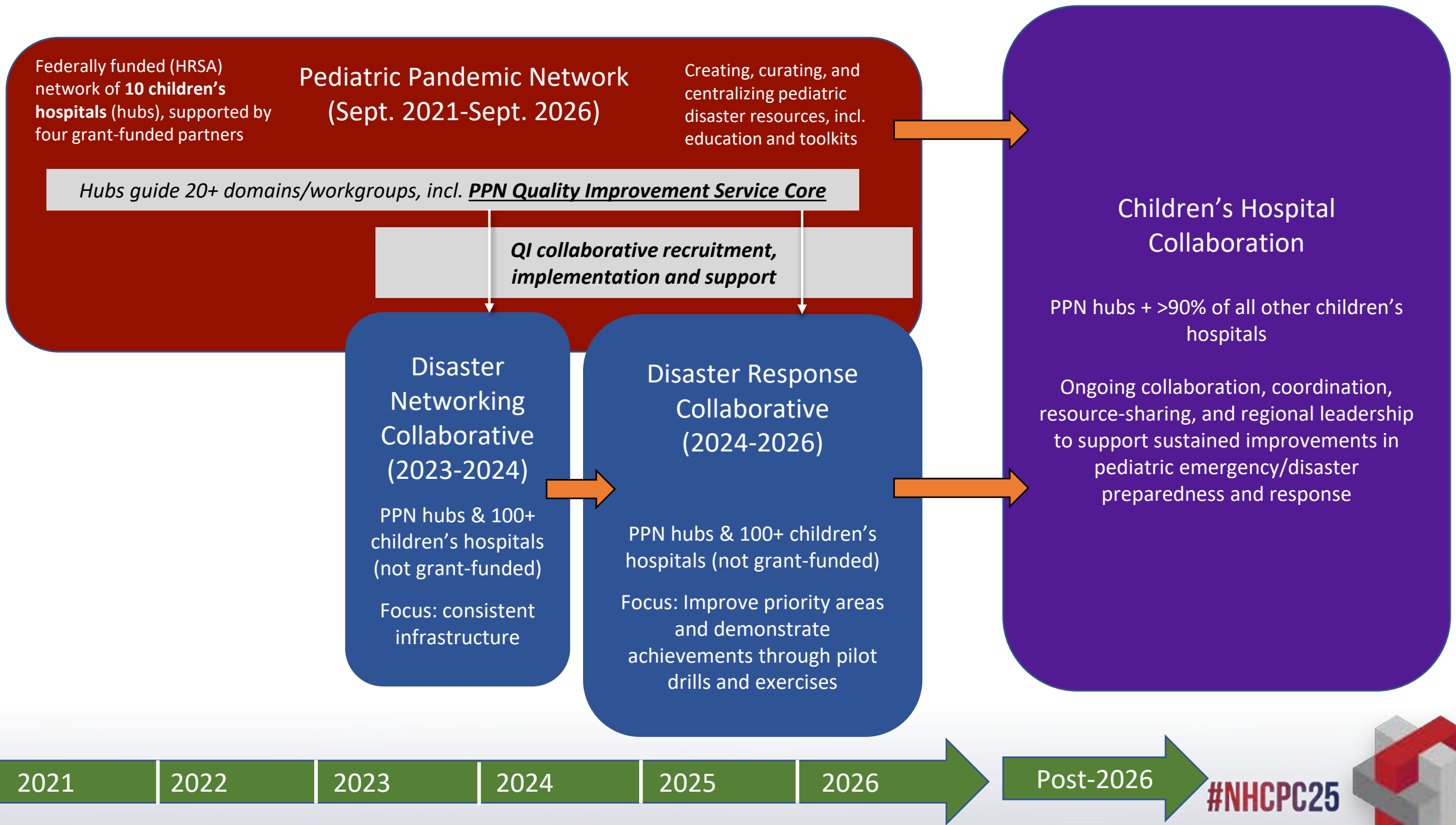
AIM: Ensure that at least 90% of children's hospitals have working partnerships with local, state, regional and/or national emergency preparedness systems and networks to address the needs of children and families during disasters.

Based on evidence-based material and domains/topics in...

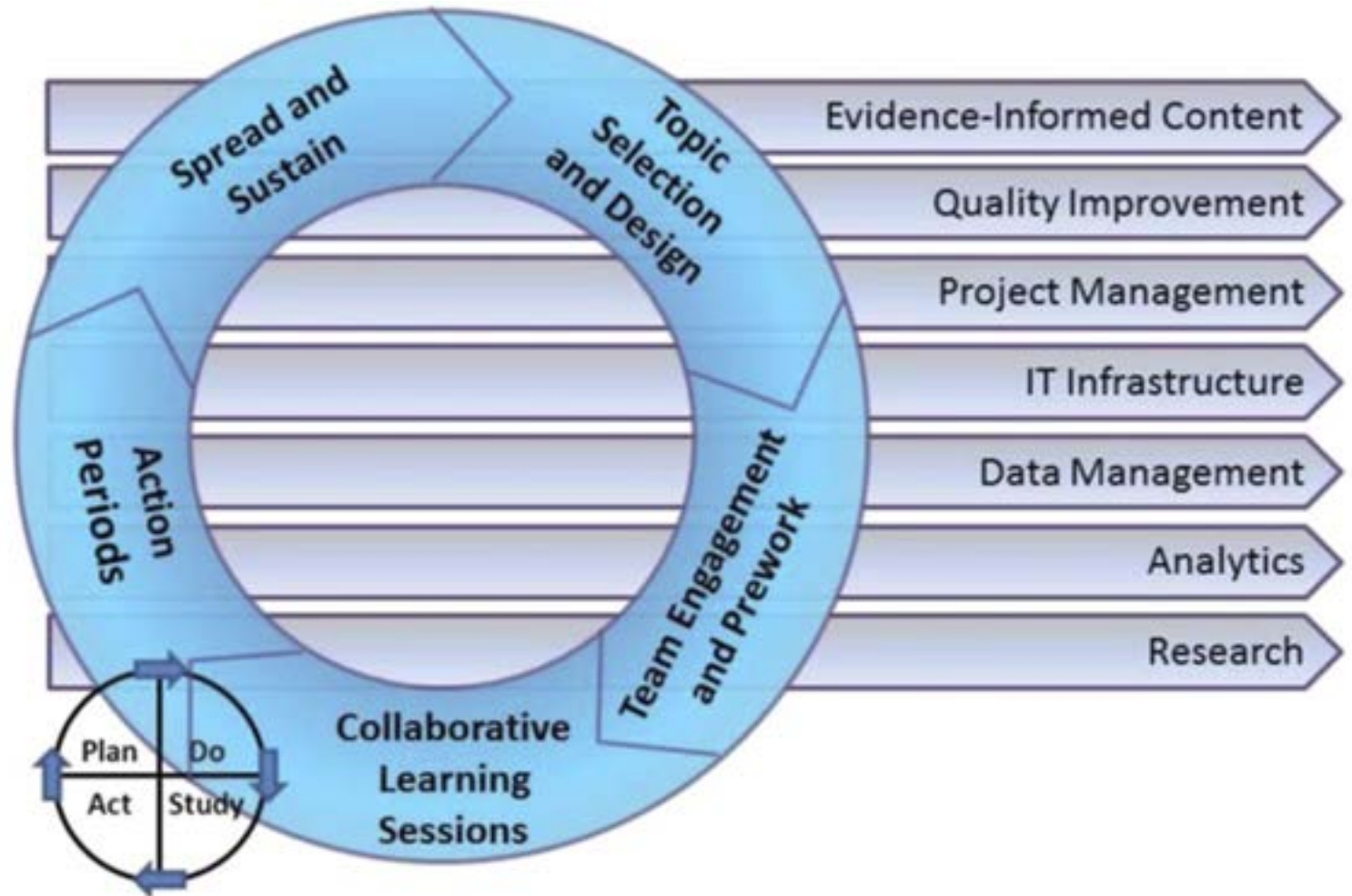
**Checklist of Essential
Pediatric Domains and
Considerations for Every
Hospital's Disaster Policies**

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Quality Improvement Collaboratives



Disaster Networking Collaborative



Pediatric Pandemic Network



September 2023 - June 2024

The Disaster Networking Collaborative (DNC)

- Goal: strengthen pediatric disaster preparedness in US children's hospitals
 - Internally within the hospital; externally in collaboration with others
- “All Teach - All Learn”: participants share with/learn from each other, supported by experts
- 10 monthly 90 minute sessions; September 2023 through June 2024
- Foundational areas or key topics upon which teams focused:
 - C-suite or hospital leadership support and buy-in (letter of commitment)
 - Infrastructure: roles/responsibilities, emergency committee
 - Engagement with the emergency management landscape



Growing Your Influence in the Emergency Management Landscape

The illustration below can be used to guide your hospital's disaster management team or experts to engage with the EM landscape and promote leadership roles in pediatric preparedness.

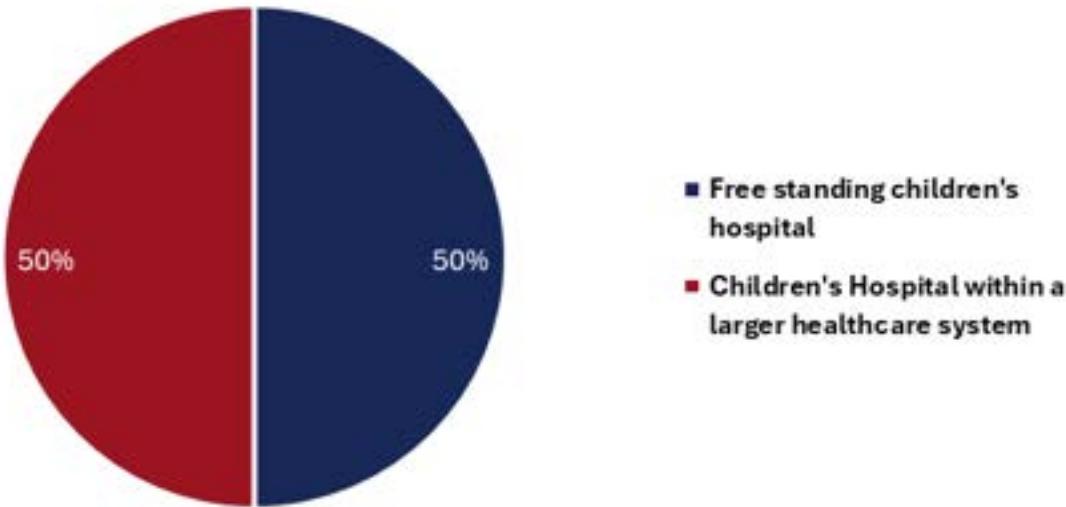


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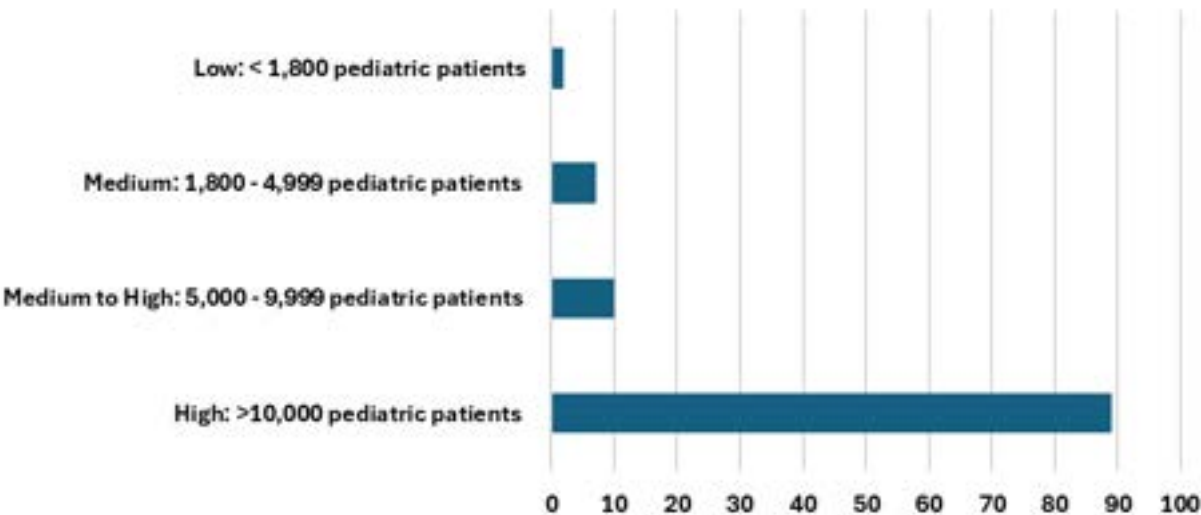
DNC Participants

DNC Hospital Types

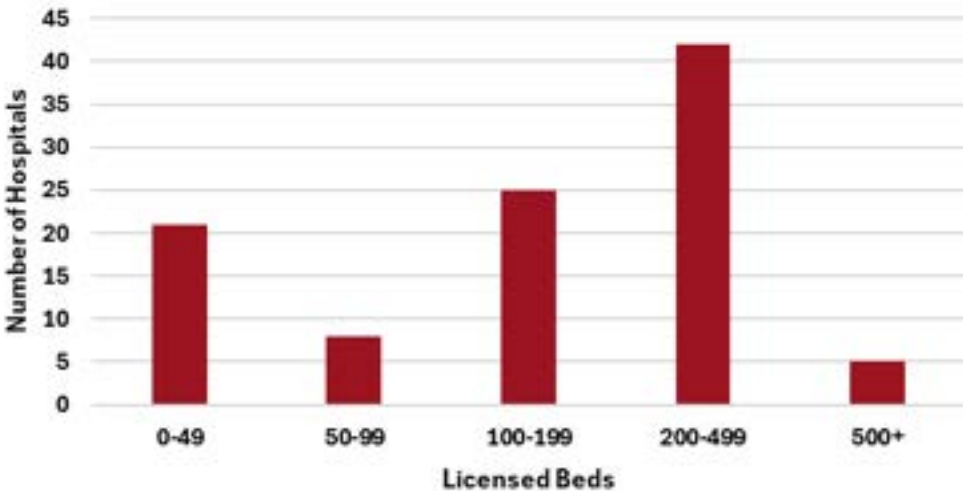


102 children's hospitals
530+ team participants

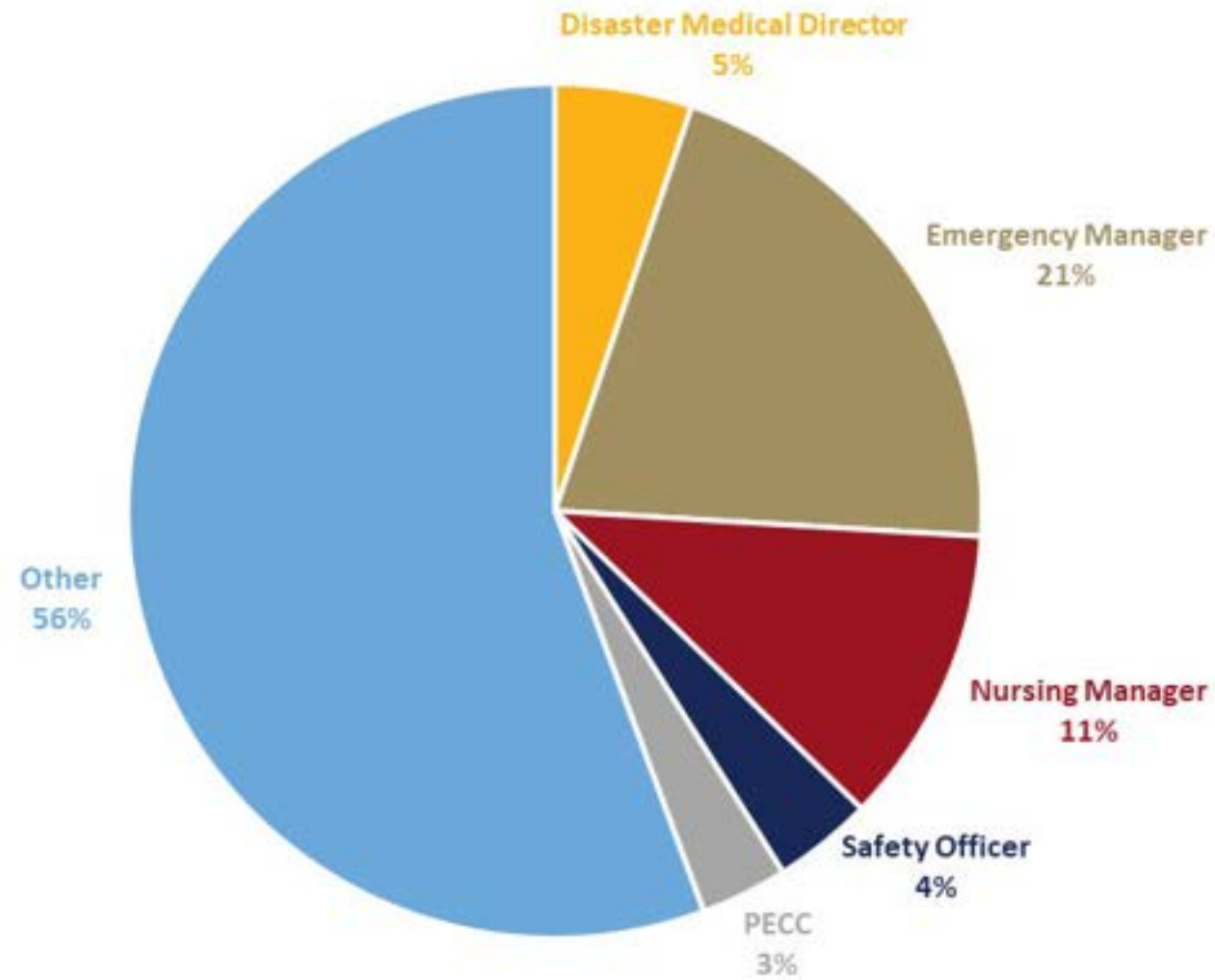
Annual Pediatric Patient Volume



Licensed Pediatric Beds

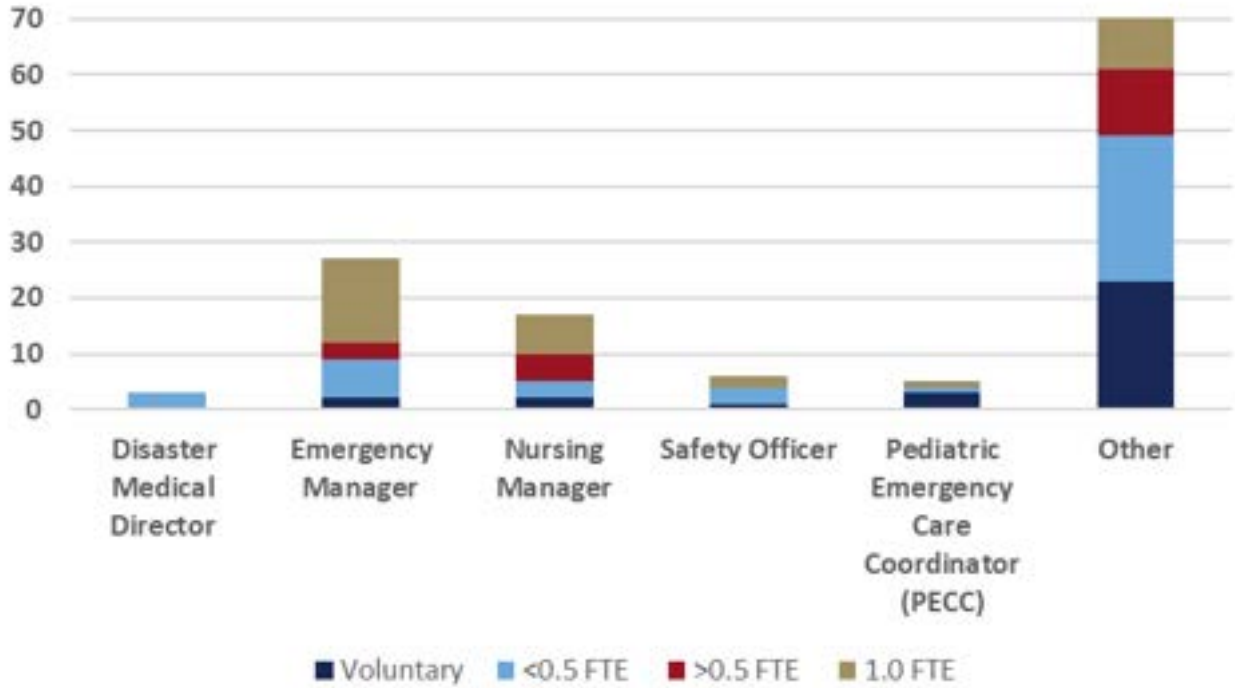


DNC Team Member Roles

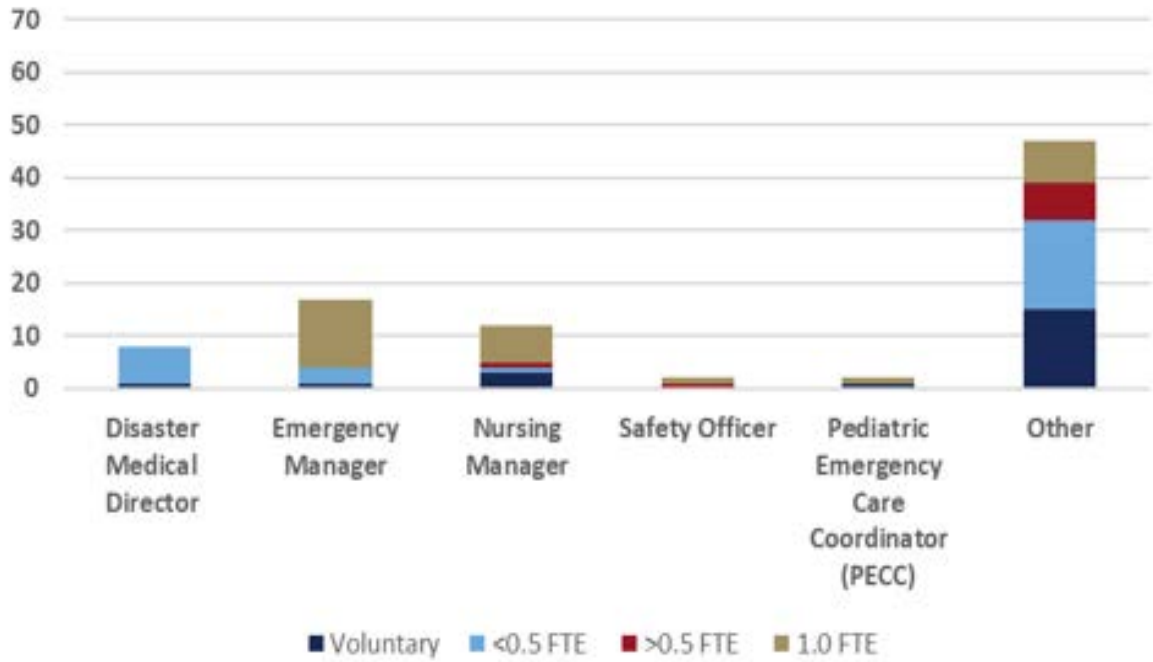


DNC Hospitals

Freestanding Children's Hospitals
Roles and Time

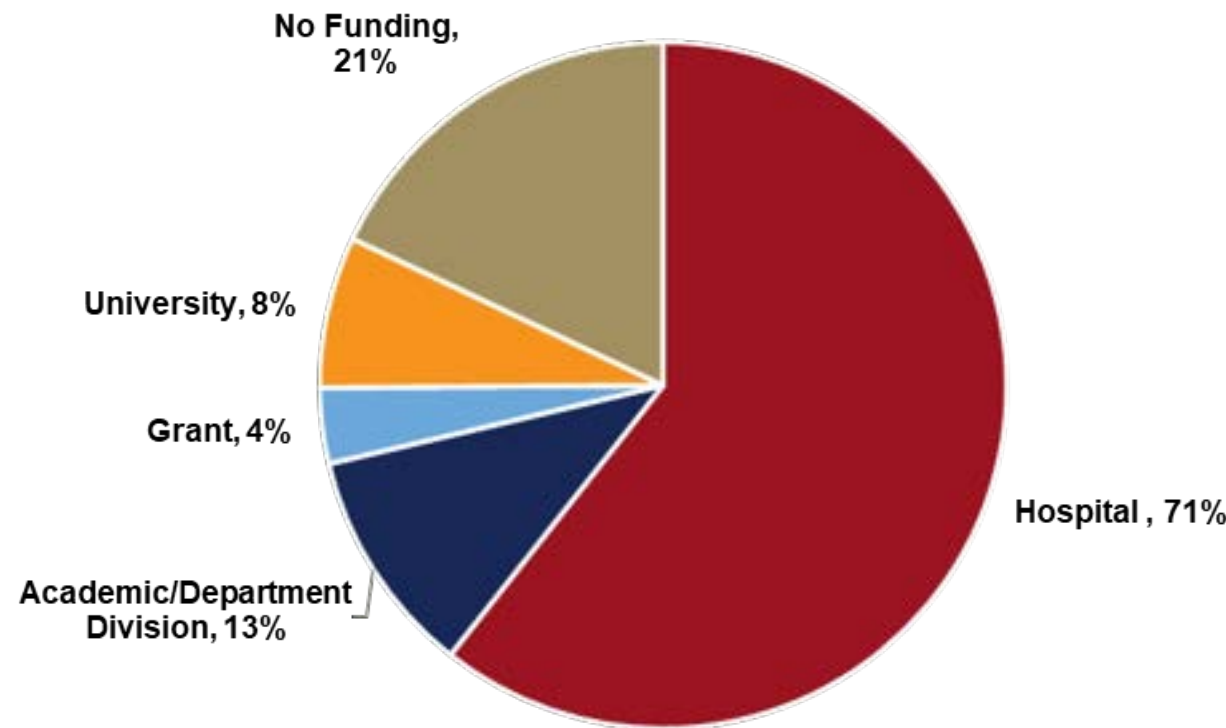


Children's Hospitals In Larger Healthcare System
Roles and Time

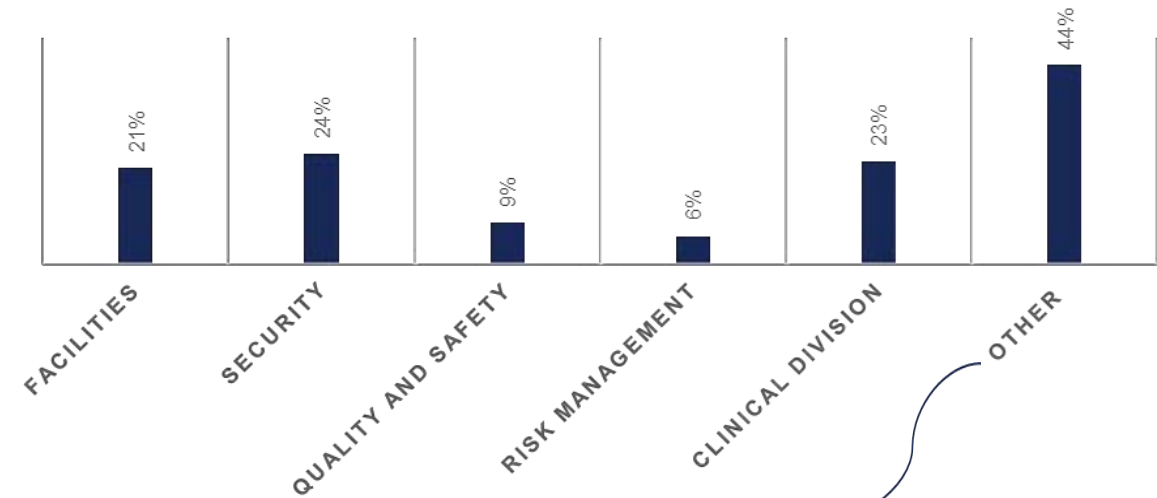


DNC Hospital Funding

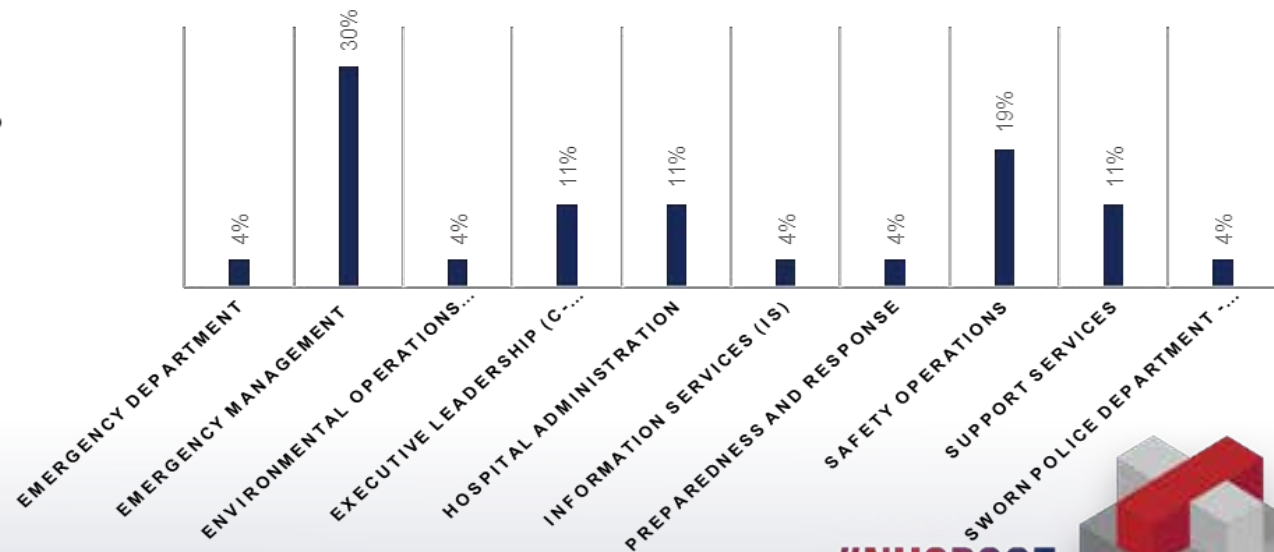
PDMD Funding Sources



HOUSING FOR DM/EM PERSONNEL



OTHER HOUSING

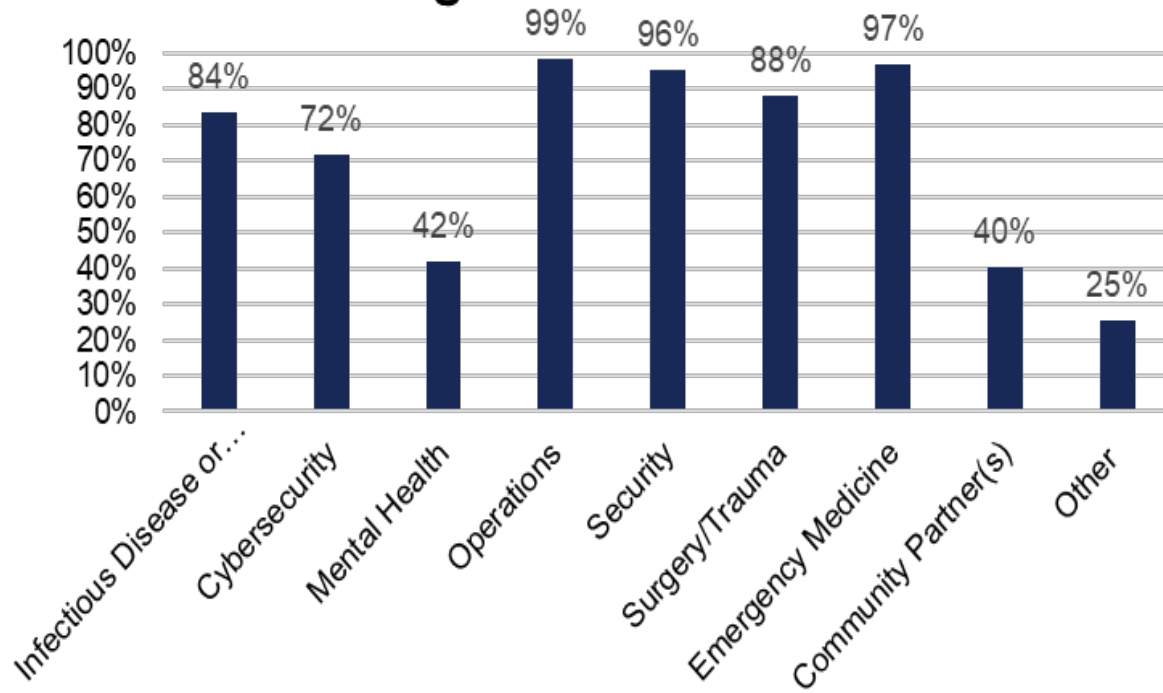


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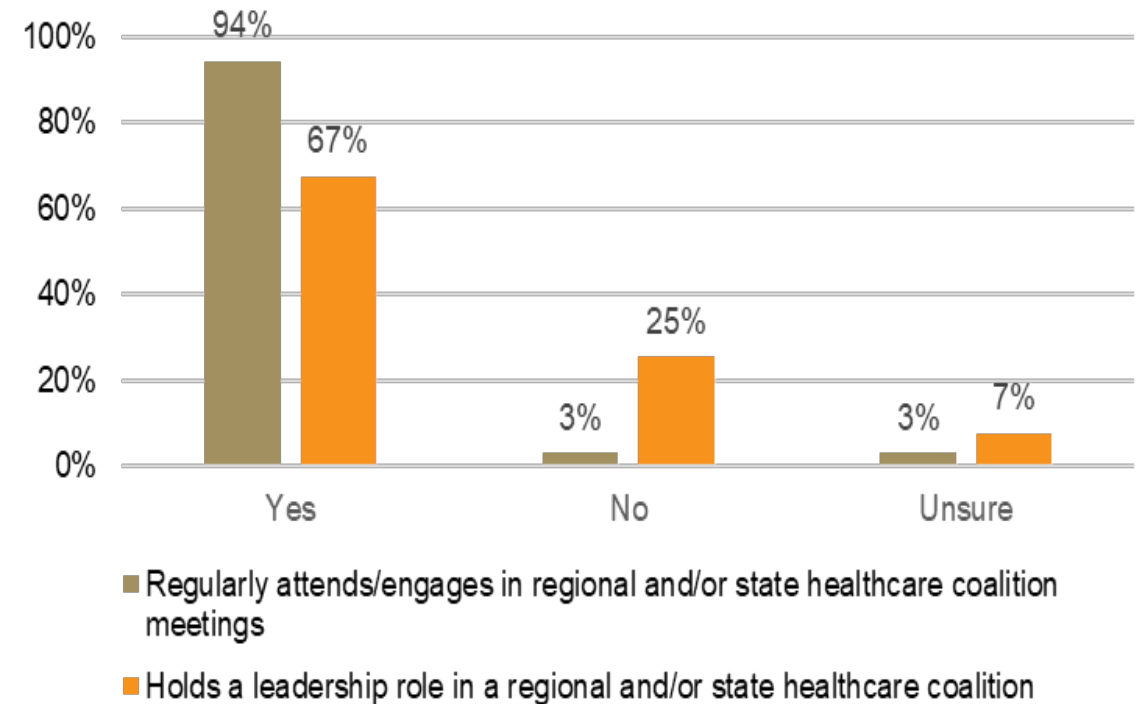


Emergency Preparedness Relationships

Expertise on the Disaster/Emergency Management Committee



Hospital representation



Improvements Made in DNC

- Developed and/or strengthened our hospital's **networking and partnership** with other children's hospitals across the U.S. (39%)
- **Increased engagement** with the Emergency Management (EM) landscape (34%)
- Increased **pediatric leadership** roles within the EM landscape (14%)
- Increased **support from the C-suite and leadership** for pediatric disaster preparedness work (24%)
- Added **pediatric representation** to the hospital's disaster or emergency management committee (24%)
- Added new pediatric disaster preparedness **role(s) or responsibilities** to an existing position (13%)
- Increased **FTE or financial compensation** for disaster preparedness roles and responsibilities (4%)
- Developed or enhanced pediatric preparedness **job description(s)** [13%]



Disaster Response Collaborative

Pediatric Pandemic Network



**DISASTER
RESPONSE
COLLABORATIVE**



September 2024 - June 2026

Disaster Response Collaborative

Improve pediatric disaster response capability and capacity among children's hospitals

1

Establish a collaborative of children's hospital leaders who are actively participating in pediatric disaster planning and response efforts

2

Assess pediatric disaster planning and response among participating children's hospitals

3

Support children's hospitals to drive evidence-based or consensus-driven **regional pediatric disaster planning and response** activities

4

Augment pediatric disaster response capabilities of **children's hospitals**

5

Create a **sustainable network** to drive a coordinated response among children's hospitals in times of a national disaster/surge event

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DRC Children's Hospital Teams

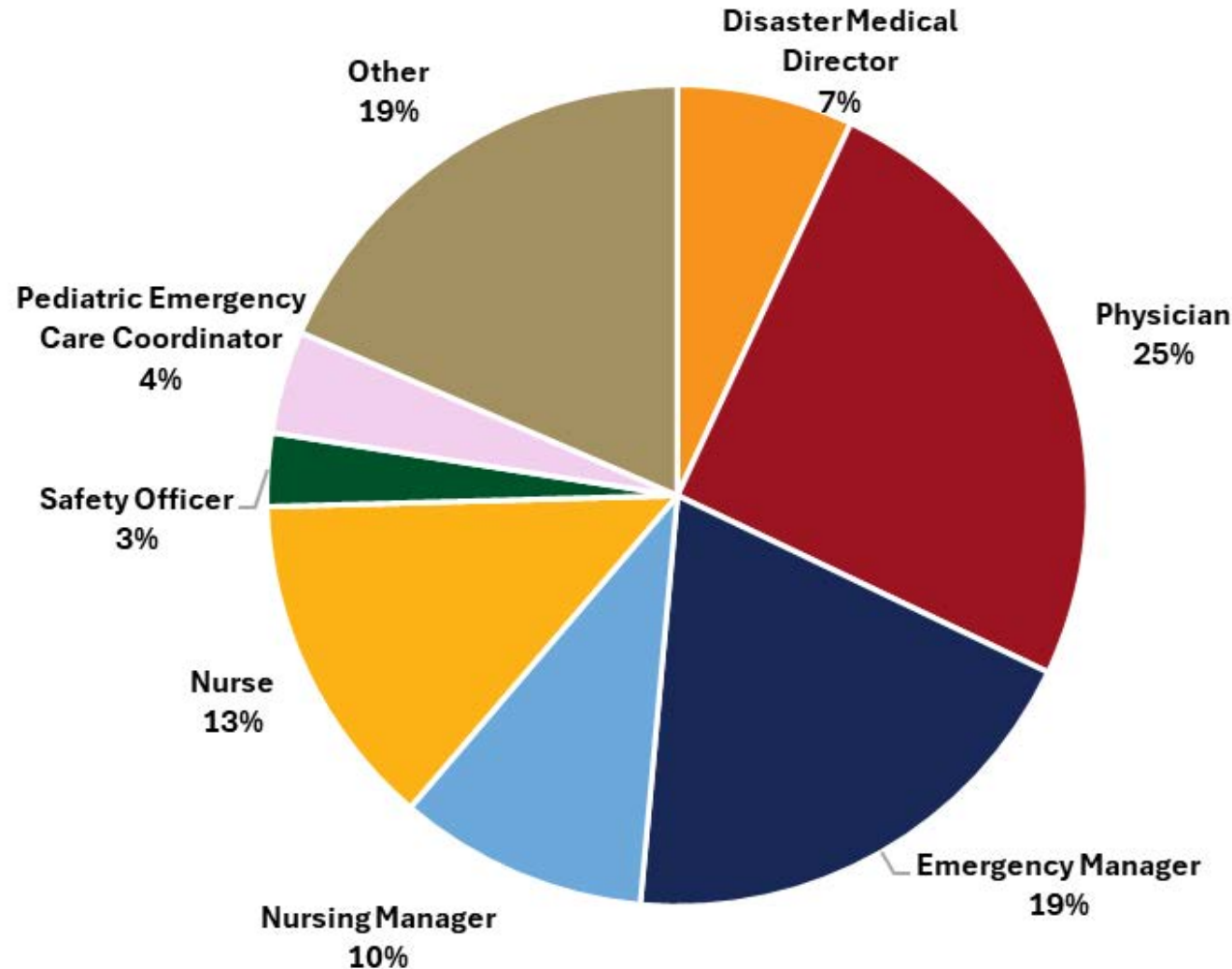


- **111 children's hospitals**
- **550+ team participants**

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DRC Team Member Roles



Other:

Administration
Medical Director
C Suite
Burn center liaison
Business Personnel
Child Life Specialist
Nurse specialist
HCC
Director (Facilities, operations, LTC Pediatrics, Disaster Committee
Pharmacist
Emergency Management Personnel
EMSC Program Manager
ER Personnel
Facilities Personnel
Infection Prevention
Quality and Safety
Transport Team
Pediatric Emergency Personnel
Physician Assistant
Nurse Practitioner
PPN Manager
Research Coordinator
Trauma Program Personnel

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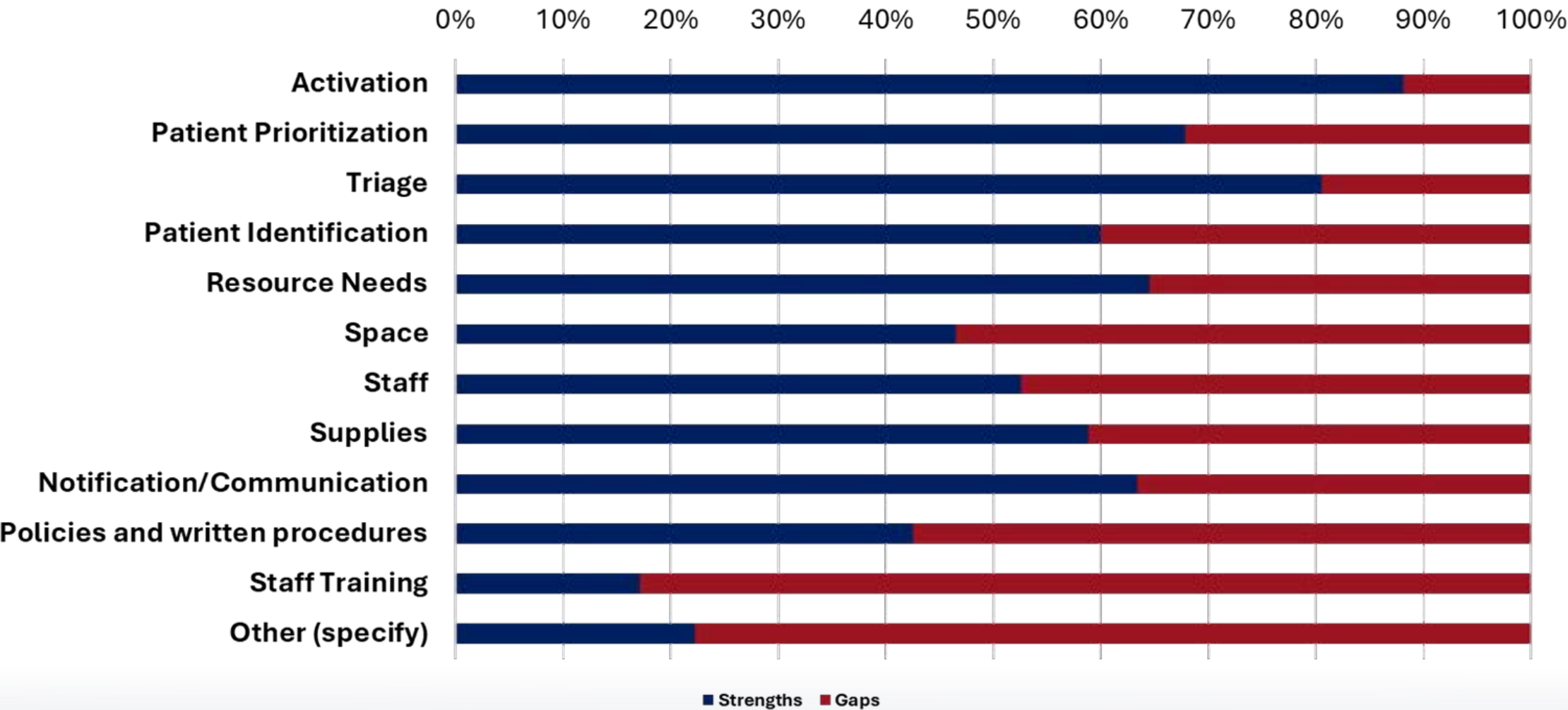


DRC Hospital Numbers by Selected Focus Area

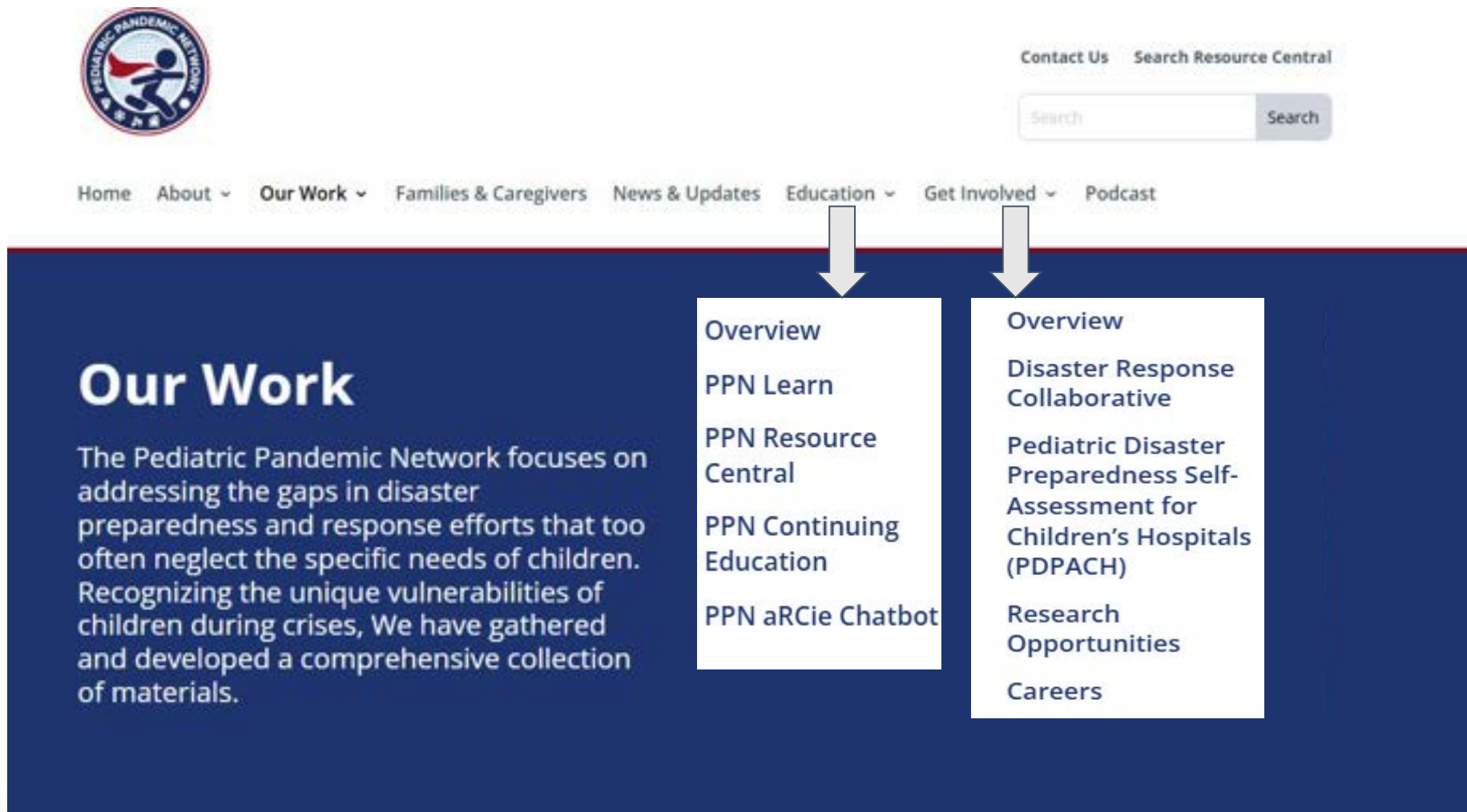
| Focus Area | Primary Focus | 2nd Focus Area | Total |
|--|---------------|----------------|-------|
| Evacuation | 17 | 2 | 19 |
| Reunification | 21 | 7 | 28 |
| Surge Capacity | 24 | 7 | 31 |
| Triage, Infection Control, and Decontamination | 10 | 3 | 13 |



Strengths and Gaps Identified in TTXs



Resources Available through PPN



The screenshot displays the Pediatric Pandemic Network (PPN) website. At the top left is the PPN logo, which features a stylized figure in a red cape running. To the right of the logo are links for 'Contact Us' and 'Search Resource Central'. Below these is a search bar with the text 'Search' and a 'Search' button. The main navigation menu includes 'Home', 'About', 'Our Work', 'Families & Caregivers', 'News & Updates', 'Education', 'Get Involved', and 'Podcast'. The 'Our Work' section is highlighted with a large white arrow pointing to a list of resources. The 'Education' menu item is also highlighted with a large white arrow pointing to a list of resources. The 'Our Work' section contains the following text: 'Our Work' followed by 'The Pediatric Pandemic Network focuses on addressing the gaps in disaster preparedness and response efforts that too often neglect the specific needs of children. Recognizing the unique vulnerabilities of children during crises, We have gathered and developed a comprehensive collection of materials.' The 'Education' section contains the following list of resources: 'Overview', 'PPN Learn', 'PPN Resource Central', 'PPN Continuing Education', and 'PPN aRCie Chatbot'. The 'Get Involved' section contains the following list of resources: 'Overview', 'Disaster Response Collaborative', 'Pediatric Disaster Preparedness Self-Assessment for Children's Hospitals (PDPACH)', 'Research Opportunities', and 'Careers'.

Our Work

The Pediatric Pandemic Network focuses on addressing the gaps in disaster preparedness and response efforts that too often neglect the specific needs of children. Recognizing the unique vulnerabilities of children during crises, We have gathered and developed a comprehensive collection of materials.

Education

- Overview
- PPN Learn
- PPN Resource Central
- PPN Continuing Education
- PPN aRCie Chatbot

Get Involved

- Overview
- Disaster Response Collaborative
- Pediatric Disaster Preparedness Self-Assessment for Children's Hospitals (PDPACH)
- Research Opportunities
- Careers

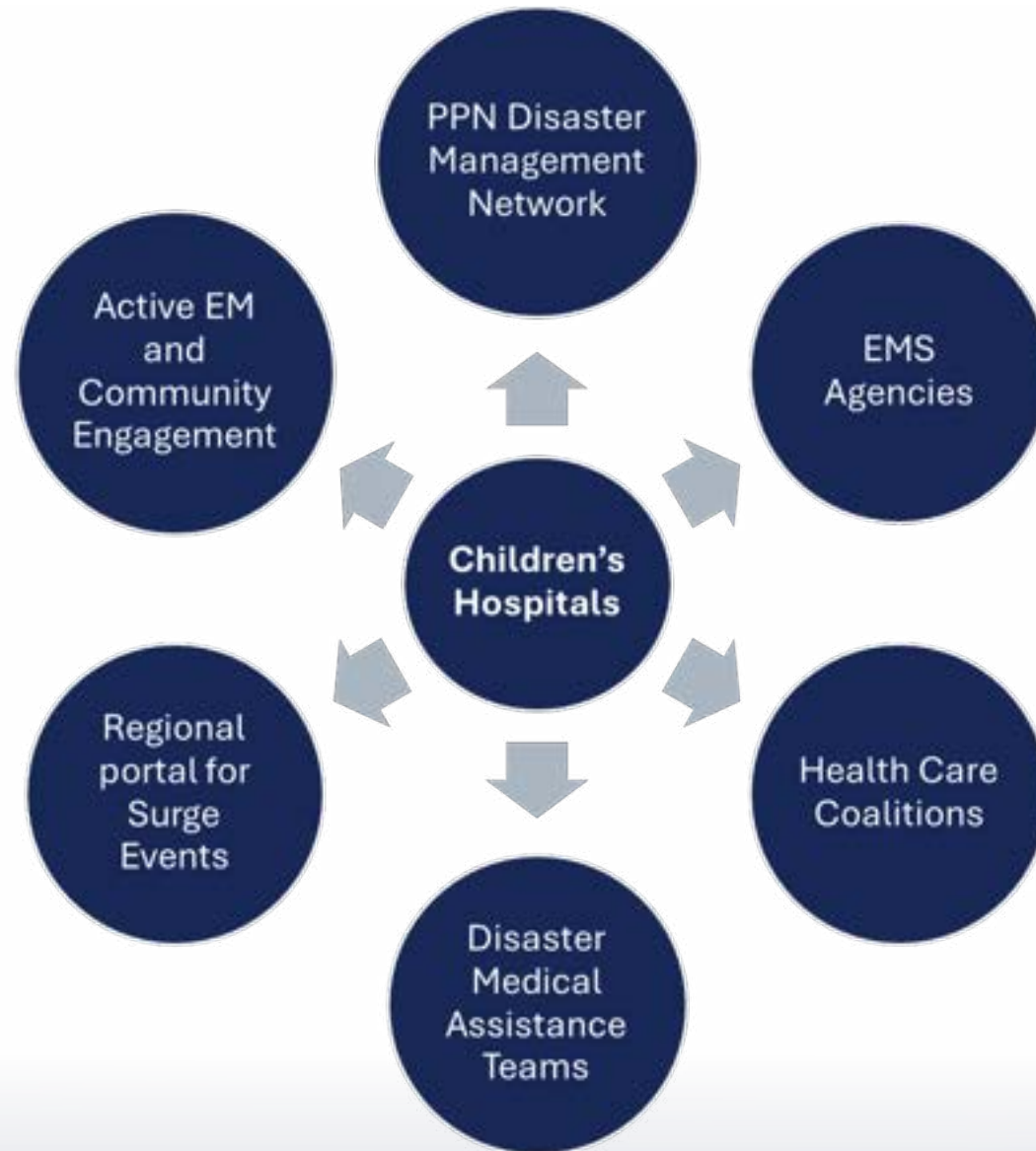


<https://pedspandemicnetwork.org/>

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Overview



Discussions at Tables



Table Discussions

Questions:

1. Build the perfect emergency management team for the hospital - who is at the table?
2. What have been effective means of information delivery from SME to hospital system/provider level?
3. What have been system barriers for engagement with Children's centers? What have been effective strategies to mitigate those barriers?
4. How can we use prior work to expand the hub and spoke model to include new partners in an ongoing network to support pediatric disaster management?



Discussion Report Out

Questions:

1. Build the perfect emergency management team for the hospital - who is at the table?
2. What have been effective means of information delivery from SME to hospital system/provider level?
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4. How can we use prior work to expand the hub and spoke model to include new partners in an ongoing network to support pediatric disaster management?



Thank You

Questions?

Email: dncppn@austin.utexas.edu

Website: <https://pedspandemicnetwork.org/disaster-response-collaborative/>

The Pediatric Pandemic Network is supported in part by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) as part of cooperative agreements U11MC43532 and U11MC45814 with 0 percent financed with nongovernmental sources. The content presented here is that of the authors and does not necessarily represent the official views of, nor an endorsement by HRSA, HHS, or the U.S. Government. For more information, visit [HRSA.gov](https://www.hrsa.gov).

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Pediatric Pandemic Network
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@pedspandemicnetwork #PPNStayReady
111 Michigan Avenue NW, Washington, DC 20010



DISASTER
NETWORKING
COLLABORATIVE



DISASTER
RESPONSE
COLLABORATIVE



Disaster Networking Collaborative

Recommended Disaster Roles and Responsibilities for a Children's Hospital

Purpose: This document highlights recommendations for two critical disaster leadership roles and their related responsibilities for every children's hospital.

Children's hospitals play a vital regional role in the healthcare of children every day. In a disaster, both natural and manmade, this role is even more critical. The value of a disaster leadership team cannot be overstated and is the first step to ensuring uptake of evidence-based guidelines and a coordinated regional disaster response that meets the needs of children. Below are recommendations to help ensure the disaster leadership team is appropriately staffed, supported, and effective. While the recommendations are not prescriptive, having consistency among leadership positions and an emergency/disaster committee with pediatric representation is optimal.

For the purposes of this document, a children's hospital may be defined as a freestanding hospital or exist within a general hospital.

Team Role 1: Pediatric Disaster Medical Director

Purpose: The pediatric disaster medical director (ie. a physician with pediatric preparedness expertise) oversees disaster preparedness activities for the hospital and facilitates integration into regional emergency management groups/coalitions.

Minimum Recommended FTE: 0.1-0.3

Reporting Structure: This role might report to a representative on the emergency management committee, C-suite, or Chief Medical Officer.

Qualifications:

- Physician with clinical experience (preferably in a landscape where hospital operations and flow are understood)
- An understanding of the role and interplay of pediatric emergency care, pediatric disaster preparedness, pediatric prehospital care, pediatric hospital-based care, pediatric critical care, pediatric infectious disease, pediatric community/public health, surgical care, and mental and behavioral health
- Understanding of the regulatory environment (e.g. Emergency Medical Treatment and Labor Act [EMTALA])
- Comprehensive knowledge and experience working with emergency, Emergency Medical Services (EMS), and disaster management groups
- Understanding of disaster operations at the hospital (e.g., Personal and Protective Equipment (PPE), staging, trained staff, incident command setup)
- Knowledge of regional hospitals/health system networks and their pediatric capabilities, including pediatric readiness, disaster preparedness and response, epidemiology, and disease reporting surveillance tools
- Participation in regional emergency management committees and coalitions
- Strong working relationship with local public health and law enforcement, including an understanding of their response capabilities and capacity

- Knowledge of local EMS agencies and scope of practice, staffing, and response capabilities
- Familiarity with the Emergency Medical Services for Children (EMSC) Program and other national resources available in pediatric emergency and disaster preparedness and response

Training/Experience: Federal Emergency Management Agency National Incident Management System (NIMS) and Incident Command System (ICS) courses (minimum)

Recommended:

- Federal Emergency Management Agency (FEMA)
- Texas A&M Engineering Extension Service (TEEX)
- Radiation Emergency Assistance Center and Training Site (REACTS)
- Hospital Emergency Response Training (HERT)
- International Committee of the Red Cross (ICRC)
- Health Emergencies in Large Populations (HELP)
- Deployable Teams, Disaster Medical Assistance Teams (DMAT), Community Emergency Response Teams (CERT), Medical Reserve Corps (MRC)
- Center for Domestic Preparedness (CDP)
- Fellowship training in Emergency Management/Disaster/Disaster Medicine

Continuing Education: Participate in the American Academy of Pediatrics Council on Children and Disasters (COCD), National Healthcare Coalition Preparedness Conference (NHCPC), Preparedness Summit, and/or The National Emerging Special Pathogens Training and Education Center (NETEC)

Regional Partnerships: Collaborate with a regional Pediatric Disaster Care Center of Excellence (COE), Pediatric Pandemic Network (PPN), EMSC State Partnership Program Managers/Advisory Board, AAP state chapter/disaster champion, Public Health Emergency Preparedness Program, Hospital Preparedness Program (HPP), other regional pediatric disaster coalitions, adult hospital disaster experts/centers, and/or regional medical center disaster teams.

Duties—In conjunction with emergency management/disaster management committee:

- Support the development and annual review of a Hazards Vulnerability Analysis (HVA) with consideration of pediatric vulnerabilities
- Form Subject Matter Expert groups around specialized topics (i.e., cybersecurity, Infectious Diseases [ID], radiological, mental health) and be a liaison for these consultants to the disaster leaders
- Review and amend pediatric disaster plans for your local institution
- Adopt best practices, policies, and research-informed pediatric care
- Represent pediatrics within the ICS of the hospital or healthcare system
- Maintain input from ID, Pediatric Intensive Care Unit, Emergency Department (ED), hospitalist and other subspecialist counterparts
- Implement pediatric disaster simulation and drills (i.e., be the content leader for drills but partner with others in the hospital to accomplish)

- Coordinate regional disaster drills with nearby community hospitals and partners
- Uphold personal and personnel training within the institution surrounding pediatric disaster response (e.g. decontamination, triage, surge, PPE)
- Engage in PPN disaster content regarding pediatric disaster response
- Participate in scholarly activities related to pediatric disaster preparedness and response including Quality Improvement (QI) activities, manuscript development, regional/state presentations, educational products, disaster research
- Represent the children's hospital during local/regional disaster events
- Work with Emergency Department leadership to ensure day-to-day pediatric readiness
- Work with the disaster committee to create regular and just-in-time messaging regarding disaster preparedness and response plans
- Integrate disaster response training into staff credentialing
- Engage GME trainees in training and education
- Act as co-representative for The Joint Commission (with Emergency Manager)
- Coordinate activities with the Hospital Emergency Manager or Trauma Coordinator and nursing leadership
- This role could serve as Incident Commander in the setting of a disaster

Liaison work:

- Work with Public Information Officer to form relationships and have important contacts ready
- Participate in regional emergency management committees and state disaster response forums
- Partner with other disaster leads at other hospitals within the region
- Ensure integration of disease and patient tracking methodology for surge planning
- Work with coalitions to assess capabilities of all hospitals in the area to develop a regional triage plan for accurately placing patients during a mass casualty incident



- Provide guidance to regional hospitals regarding pediatric disaster planning, pediatric transport and transfer plans, and reunification planning
- Provide education to, and seek input from, community pediatricians on pediatric disaster planning
- Advocate for pediatric disaster training and awareness
- Facilitate community partnerships to strengthen regional networks and drive educational content dissemination

Team Role 2: Pediatric Emergency Preparedness Coordinator

Purpose: Oversee operational aspects of disaster planning and response for the hospital in collaboration with the Disaster Medical Director, Disaster Preparedness Committee, and other emergency management personnel

Administrative: This position can be housed under different departments (e.g., security, operations, facility). Determine which serves as the best conduit for multi-department collaboration

Duties:

- Collaborate with the management team in the creation, development, education, training, and implementation of disaster plans that are in alignment with state and other regulatory agencies
- Conduct an annual hazard vulnerability assessment (HVA)/risk analysis to determine the facility's risk for natural (e.g., hurricanes, floods, earthquakes), technological (e.g., nuclear power plant emergencies or hazardous materials spills), human-caused (e.g., active shooter or hostage situations), and other disasters
- Develop and maintain emergency and mitigation plans and procedures for disasters identified in the HVA/ risk analysis
- Manage disaster response or crisis management activities for the facility. Facilitate planning for availability of staff 24/7 to respond to disaster or potential disaster situations
- Participate in the organization's committee for general administration in planning, coordinating, maintaining, and updating disaster plans, including internal and external event response. Provide necessary project management and support for all related emergency preparedness sub-committee work
- Oversee the development and management of the emergency preparedness budget
- Develop and prepare reports that fulfill grant contract requirements as outlined by the specific funding stream
- Perform an education and training needs assessment and work collaboratively with staff development representatives to create, implement, and review safety/regulatory education and training requirements/programs to meet the needs of staff (e.g., hospital ICS)
- Establish mechanisms to collect, review, and track data required by local, state, and federal entities which are consistent with the facility's policies and procedures.
- Represent the organization on various preparedness committees, such as the regional healthcare coalition



pedspandemicnetwork.org/disaster-networking-collaborative



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Disaster Networking Collaborative

Talking Points—Why Engage in Pediatric Disaster Preparedness?

Hospital leadership support is crucial when any improvement planning occurs. These talking points will help children's hospital professionals communicate with and engage C-suite or hospital leaders in pediatric disaster preparedness.

WHAT IS THE DNC?

The Disaster Networking Collaborative (DNC) is a first step in supporting children's hospitals to improve pediatric disaster preparedness efforts in their region. During this quality improvement (QI) collaborative, we will 1) work to garner C-suite support and drive home the value pediatric disaster preparedness brings to the institution, 2) help to promote more standardization of a disaster care team infrastructure, and 3) identify mechanisms to build community engagement. The DNC will serve as an entry point into future and/or ongoing pediatric disaster activities supported by the Pediatric Pandemic Network (PPN).

WHY JOIN THE DNC?

Joining the DNC will support children's hospitals to improve pediatric disaster planning through support, collaboration, and sharing of best practices. The DNC will enable hospitals to strengthen the infrastructure hospitals need to achieve pediatric disaster preparedness. Children's hospital teams that register for the DNC will also recognize the benefits of engaging in this collaborative and joining a PPN network of children's hospitals that are collectively prepared for emergencies, disasters, and pandemics that impact children. Participants in the DNC can expect to gain the following:

1. Hospital/Clinical Operations and Workforce Resiliency

Disaster preparedness is compatible with the organization's mission and leadership is supportive of the medical center's capability to fulfill that mission. As children's hospitals (CHs) have been substantially impacted by the COVID-19 pandemic, other emergencies or disasters, and recent respiratory illness surges, we have collectively learned how disruptive disasters are on hospital operations and finance. Going forward, CHs are likely to fare better and plan effectively through active engagement in preparedness activities. The COVID-19 pandemic prompted many untested solutions, some costly and with variable effectiveness. The DNC supports collective efforts to identify and share best practices and cost-effective solutions in creating a hospital structure to address disaster preparedness. Healthcare personnel resignations across the sector increased during the pandemic. However, disaster preparedness also enhanced retention and job satisfaction of the dedicated personnel upon which the hospital relies to provide services.

2. Community and Medical Home Engagement, Education, and Partnership

The communities that CHs serve are also substantially impacted by emergencies, disasters, and pandemics. The DNC fosters CH engagement with community groups and medical homes. CHs are often viewed as a key resource for pediatric subject matter expertise, and DNC participation will establish local CHs as the leading resource for pediatric emergency preparedness for their communities. Community engagement builds on this foundation and demonstrates ongoing commitments to communities during challenging or difficult times. DNC participation also provides opportunities to develop, distribute, and exchange educational materials with community stakeholders.

3. Data, Research, and Improvement Science Infrastructure

The DNC will identify a core data set for use within the collaborative. This data set provides opportunities to benchmark performance across DNC centers. Additionally, this data infrastructure supports local investigators interested in emergency preparedness and/or improvement science. Thoughtful planning and conducting drills and exercises with a Plan-Do-Study-Act (PDSA) approach promotes the health and resiliency of the organization in the face of crisis. Ongoing collaboration will identify new research questions in disaster preparedness and foster multicenter research, the funding for which can be pursued by leveraging DNC and/or external funding opportunities.

4. Professional Education and Development

As part of the overarching Pediatric Pandemic Network (PPN), the DNC offers career development opportunities for hospital staff and providers, trainees, and faculty, through networking and participation in educational forums. The PPN:

- Provides access to more than 200 pediatric topic-specific experts across the nation.
- Offers connection to domains that bolster strategies for infectious disease/outbreaks, mental and behavioral health emergencies, connections to and communication with each child's medical home, reunification planning, as well as provides opportunities to strengthen health equity, and community and regional engagement.
- Improves awareness of disaster and pandemic preparedness approaches.
- Enhances satisfaction of participants and stakeholders by helping them to feel that they are doing all they can to achieve quality emergency care through pediatric readiness and a disaster management framework.

5. Clinical Care Regionalization and Telehealth

The DNC offers a platform for resource data sharing and the ability to meet the needs of all children, especially high acuity and/or critically ill/injured children from a regional perspective, fostering alignment of key resources such as ICU beds and subspecialty care. Sharing best practices for telehealth and using lessons learned from regulatory changes achieved during the pandemic, the DNC permits real-time sharing of pediatric expertise between CH centers and their regional healthcare partners, as well as provision of essential care to patients by CH providers.

6. Healthcare Access and Equity

Health equity is core to the DNC mission and DNC efforts focus on the importance of following health equity trends affecting the nation's diverse, vulnerable, and socially disadvantaged populations. Despite the ongoing and determined efforts of CHs and other pediatric and community organizations, the healthcare system landscape varies greatly in terms of available and accessible services for children, particularly those in marginalized populations, resource poor communities, and with special health care needs. These inequities were further exposed and worsened during the pandemic. Including representatives from historically marginalized populations in improvement planning efforts is critical. The DNC offers opportunities to adopt best practices and work with peers towards equitable access to quality healthcare and other essential resources, particularly during emergencies, disasters, and pandemics.



pedspandemicnetwork.org/disaster-networking-collaborative



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Strengthening Coalitions Lies Deep in the Heart of Collaboration



Enhancing Early Identification and Access to MH Care for Native American Youth in Frontier Regions



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#NH CPC25

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Pandemic Network

In This Session You Will

Understand challenges faced by the Blackfeet community with everyday and cumulative trauma, tied to high youth suicide rates, coupled with limited mental health resources, and impact on the community.

Be able to describe the Stepped Triage to Care model in providing early trauma care for high-risk youth in communities like the Blackfeet Nation, to reduce downstream mental health problems including suicide.

Recognize the value of sustained collaborative partnerships for creating long-term, culturally relevant mental health interventions, as demonstrated by the Blackfeet Nation's request for continuation.

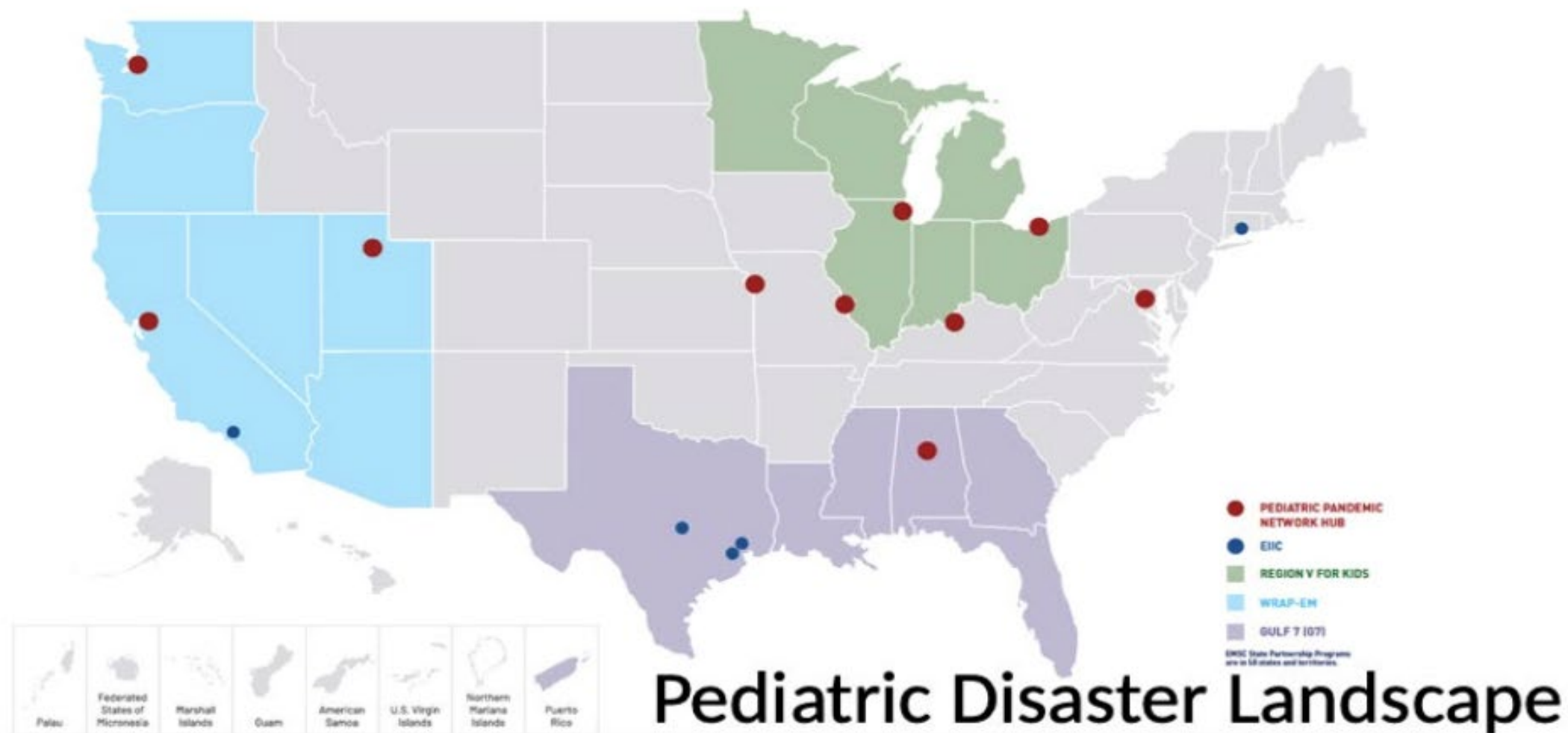


Who we are

- WRAP-EM Pediatric Disaster Center of Excellence Mental Health Team
- Director, Southern Piegan Health Center, Blackfeet Nation Tribal Health Department



Federally Funded Networks for Children in Disasters



Pediatric Disaster Landscape



Suicide Ideation

County-Level Results

28. During the past 12 months, did you ever feel so sad or hopeless almost every day for two weeks or more in a row that you stopped doing some usual activities?

| County | Yes | No | Totals | Felt sad or hopeless for two or more weeks in a row |
|---------------|-----|-----|--------|---|
| Big Horn | 101 | 106 | 207 | 48.8 |
| Blaine | 80 | 121 | 201 | 39.8 |
| Cascade | 51 | 120 | 171 | 29.8 |
| Chouteau | 35 | 51 | 86 | 40.7 |
| Dawson | 37 | 70 | 107 | 34.6 |
| Fergus | 29 | 40 | 69 | 42.0 |
| Flathead | 166 | 182 | 348 | 47.7 |
| Gallatin | 184 | 300 | 484 | 38.0 |
| Glacier | 116 | 102 | 218 | 53.2 |
| Golden Valley | 7 | 21 | 28 | 25.0 |
| Hill | 83 | 99 | 182 | 45.6 |
| Jefferson | 65 | 105 | 170 | 38.2 |
| Lake | 69 | 85 | 154 | 44.8 |
| Lewis & Clark | 96 | 163 | 259 | 37.1 |
| Mineral | 78 | 104 | 182 | 42.9 |
| Missoula | 129 | 215 | 344 | 37.5 |
| Musselshell | 47 | 64 | 111 | 42.3 |
| Park | 55 | 100 | 155 | 35.5 |
| Phillips | 51 | 87 | 138 | 37.0 |
| Pondera | 68 | 121 | 189 | 36.0 |
| Ravalli | 110 | 206 | 316 | 34.8 |
| Richland | 103 | 139 | 242 | 42.6 |
| Roosevelt | 128 | 153 | 281 | 45.6 |
| Rosebud | 129 | 153 | 282 | 45.7 |
| Sanders | 99 | 140 | 239 | 41.4 |
| Stillwater | 118 | 162 | 280 | 42.1 |
| Teton | 87 | 175 | 262 | 33.2 |
| Toole | 45 | 74 | 119 | 37.8 |
| Valley | 52 | 84 | 136 | 38.2 |
| Yellowstone | 272 | 354 | 626 | 43.5 |

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County-Level Results

32. If you attempted suicide during the past 12 months, did any attempt result in an injury, poisoning, or overdose that had to be treated by a doctor or nurse?

| County | I did not attempt suicide during the past 12 months | Yes | No | Total | Suicide attempt required medical treatment |
|---------------|---|-----|----|-------|--|
| Big Horn | 160 | 10 | 38 | 208 | 4.8 |
| Blaine | 171 | 16 | 24 | 211 | 7.6 |
| Cascade | 155 | 2 | 16 | 173 | 1.2 |
| Chouteau | 72 | 4 | 10 | 86 | 4.7 |
| Dawson | 95 | 1 | 11 | 107 | 0.9 |
| Fergus | 58 | 2 | 9 | 69 | 2.9 |
| Flathead | 293 | 28 | 31 | 352 | 8.0 |
| Gallatin | 429 | 18 | 39 | 486 | 3.7 |
| Glacier | 165 | 20 | 37 | 222 | 9.0 |
| Golden Valley | 25 | 1 | 2 | 28 | 3.6 |
| Hill | 158 | 7 | 20 | 185 | 3.8 |
| Jefferson | 155 | 3 | 16 | 174 | 1.7 |
| Lake | 131 | 7 | 16 | 154 | 4.6 |
| Lewis & Clark | 230 | 11 | 20 | 261 | 4.2 |
| Mineral | 150 | 16 | 19 | 185 | 8.7 |
| Missoula | 302 | 16 | 30 | 348 | 4.6 |
| Musselshell | 88 | 8 | 15 | 111 | 7.2 |
| Park | 145 | 3 | 9 | 157 | 1.9 |
| Phillips | 119 | 7 | 11 | 137 | 5.1 |
| Pondera | 171 | 3 | 17 | 191 | 1.6 |
| Ravalli | 276 | 8 | 35 | 319 | 2.5 |
| Richland | 204 | 12 | 26 | 242 | 5.0 |
| Roosevelt | 233 | 18 | 30 | 281 | 6.4 |
| Rosebud | 228 | 20 | 35 | 283 | 7.1 |
| Sanders | 197 | 8 | 37 | 242 | 3.3 |
| Stillwater | 236 | 13 | 30 | 279 | 4.7 |
| Teton | 240 | 7 | 16 | 263 | 2.7 |
| Toole | 100 | 5 | 14 | 119 | 4.2 |
| Valley | 123 | 2 | 12 | 137 | 1.5 |
| Yellowstone | 546 | 30 | 53 | 629 | 4.8 |

YRBS US all
groups average:
3% (vs. 9.0)

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Indicators of Anxiety or Depression Based on Reported Frequency of Symptoms

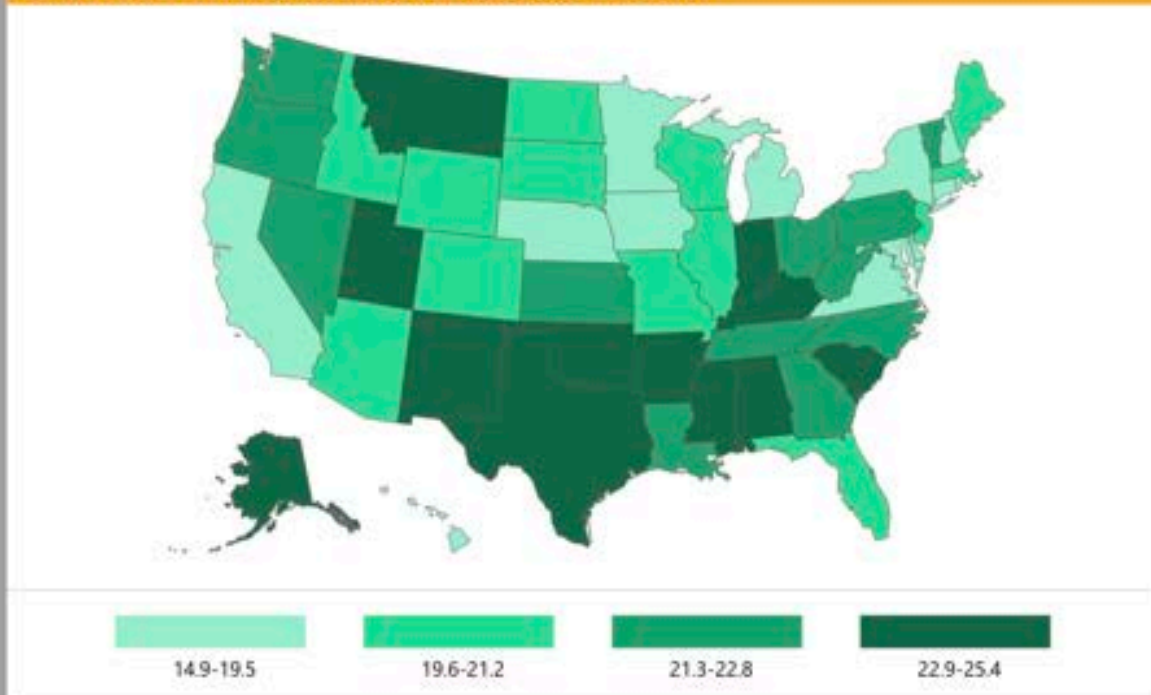
Select Time Period

Mar 5 - Apr 1, 2024

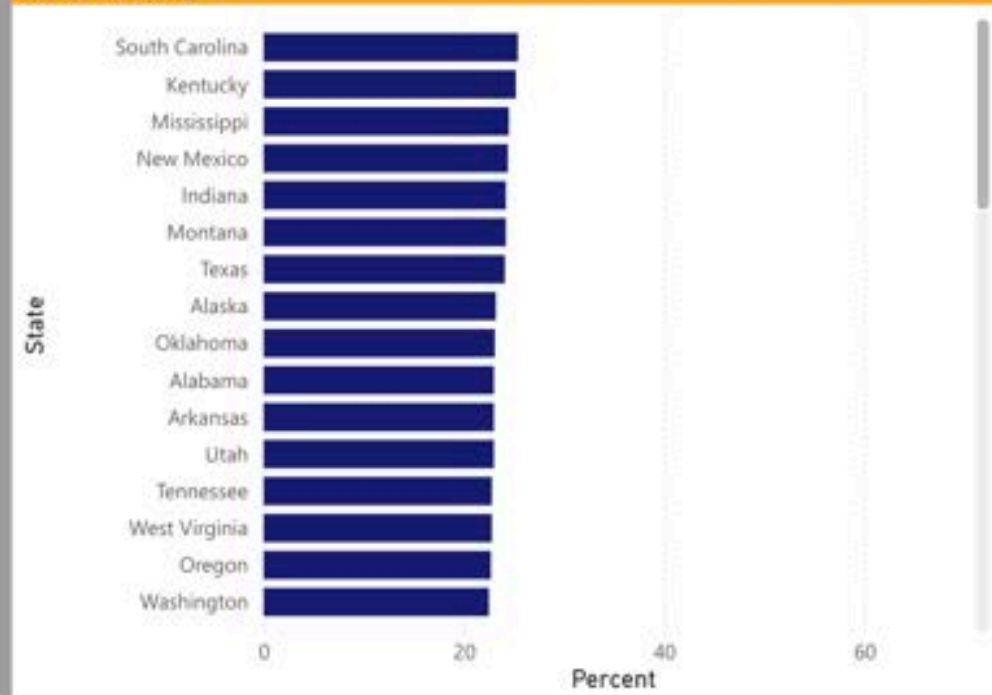
Select Indicator

Symptoms of Anxiety Disorder or Depressive Disorder

Symptoms of Anxiety Disorder or Depressive Disorder



State Ranking



NOTE: All estimates shown meet the NCHS standards of reliability. See Technical Notes below for more information about the content and design of the survey. From Phase 1 through Phase 3.1 of data collection and reporting, the question reference period was 'during the last 7 days'. Beginning in Phase 3.2, the question reference period changed to 'during the last two weeks'.

SOURCE: U.S. Census Bureau, Household Pulse Survey, 2020-2024

Data Table

National Estimates

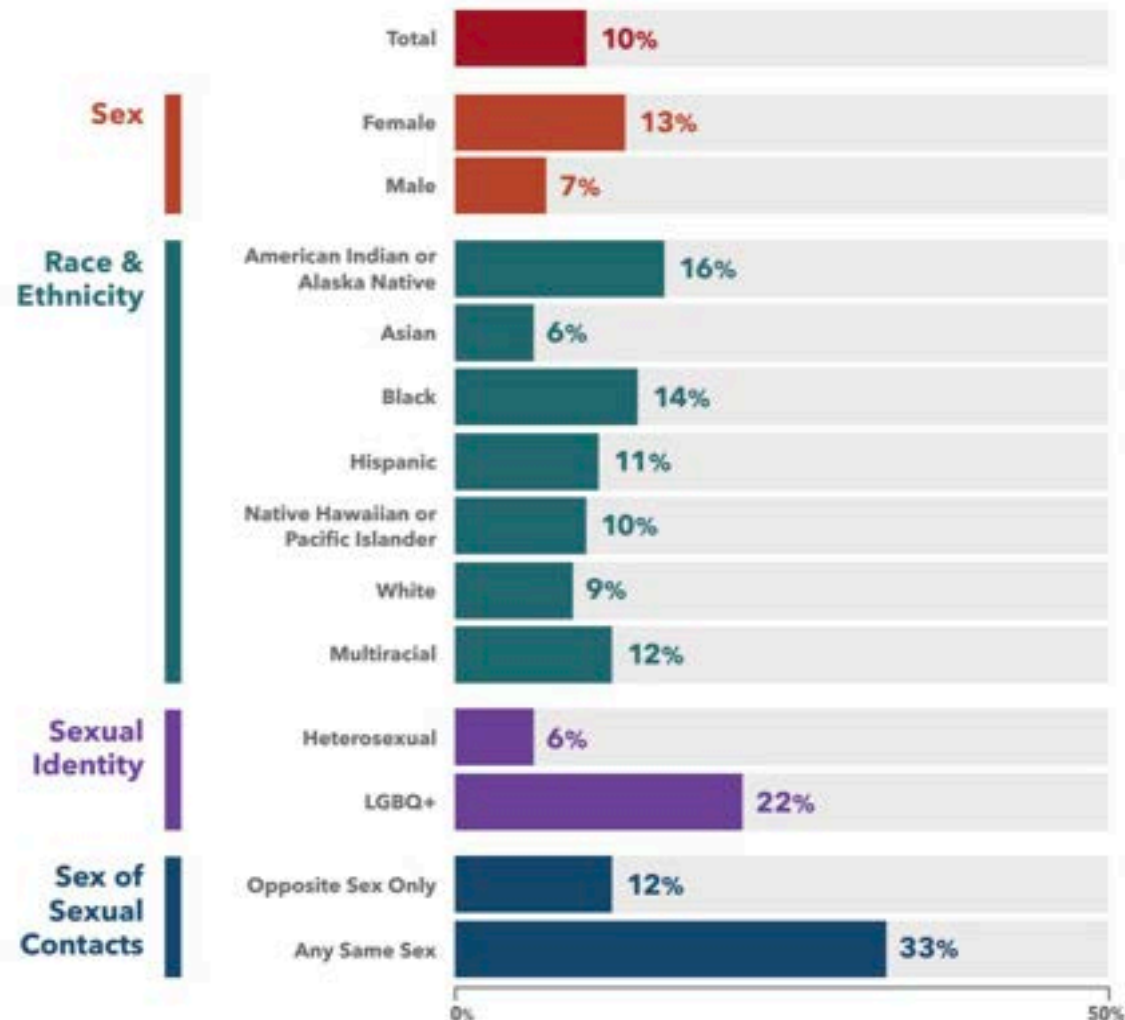
State Estimates

#NHCPG25



Percentage of High School Students Who

Attempted Suicide during the Past Year, by Demographic Characteristics, United States, YRBS, 2021



Ever told you that you have a form of depression?



Montana

Year ☐ All Available Years ☒ 2023

View by

Response All responses

Data type Crude Prevalence

Montana - 2023

Ever told you that you have a form of depression? (Crude Prevalence)

View by: Age Group

Response: (All)

| | 18-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Yes | | | | | | |
| Percent (%) | 31.1 | 30.7 | 25.3 | 27.9 | 24.2 | 16.2 |
| 95% CI | 25.8 - 36.3 | 26.3 - 35.1 | 21.8 - 28.9 | 24.2 - 31.6 | 21.1 - 27.3 | 14.6 - 17.8 |
| n | 119 | 178 | 212 | 227 | 285 | 515 |
| No | | | | | | |
| Percent (%) | 68.9 | 69.3 | 74.7 | 72.1 | 75.8 | 83.8 |
| 95% CI | 63.7 - 74.2 | 64.9 - 73.7 | 71.1 - 78.3 | 68.4 - 75.8 | 72.7 - 78.9 | 82.2 - 85.4 |
| n | 300 | 483 | 603 | 635 | 967 | 2591 |

Data Source: Behavioral Risk Factor Surveillance System (BRFSS)

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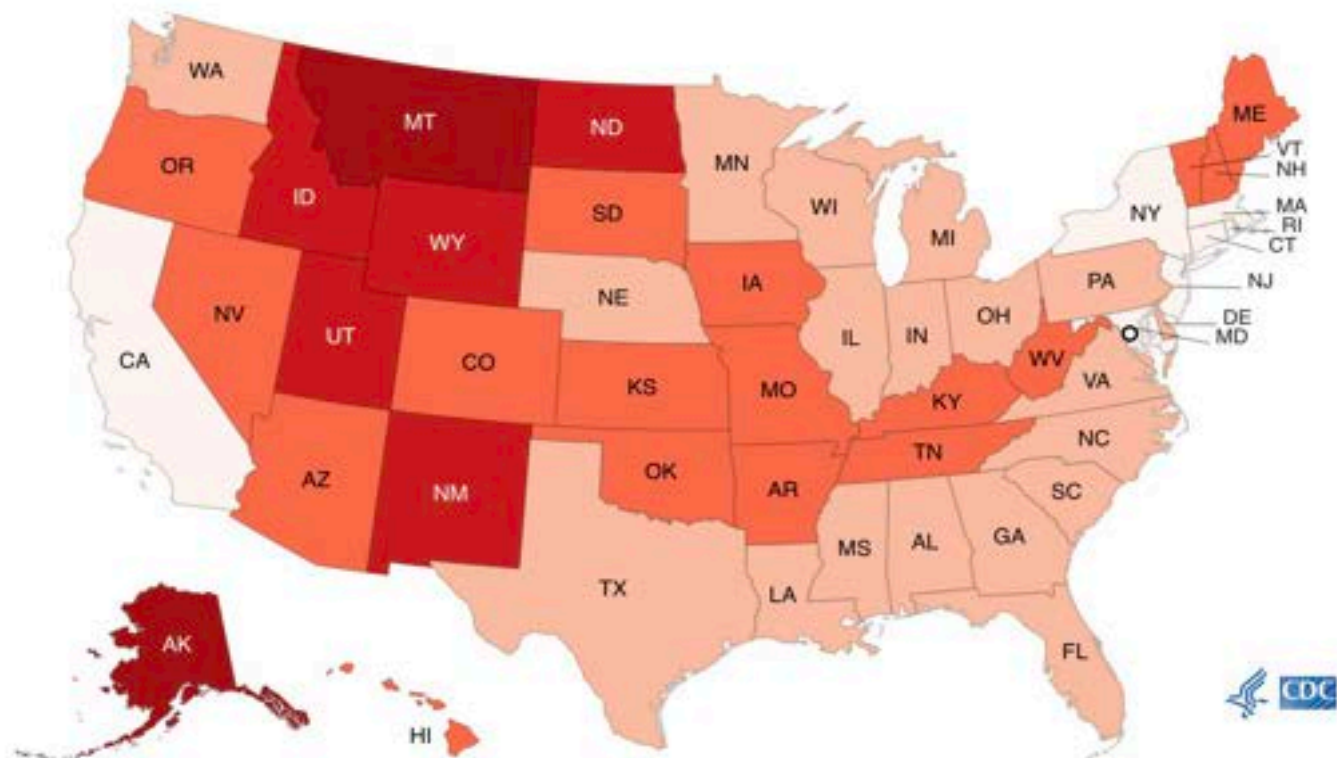
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Suicide Mortality by State

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Year

2022



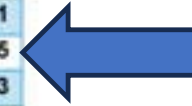
#NHCP25



County-Level Results

29. During the past 12 months, did you ever seriously consider attempting suicide?

| County | Yes | No | Totals | Seriously considered attempting suicide |
|---------------|-----|-----|--------|---|
| Big Horn | 54 | 156 | 210 | 25.7 |
| Blaine | 49 | 161 | 210 | 23.3 |
| Cascade | 33 | 140 | 173 | 19.1 |
| Chouteau | 24 | 62 | 86 | 27.9 |
| Dawson | 19 | 88 | 107 | 17.8 |
| Fergus | 17 | 52 | 69 | 24.6 |
| Flathead | 105 | 245 | 350 | 30.0 |
| Gallatin | 103 | 386 | 489 | 21.1 |
| Glacier | 70 | 152 | 222 | 31.5 |
| Golden Valley | 4 | 24 | 28 | 14.3 |
| Hill | 49 | 136 | 185 | 26.5 |
| Jefferson | 41 | 133 | 174 | 23.6 |
| Lake | 38 | 116 | 154 | 24.7 |
| Lewis & Clark | 66 | 195 | 261 | 25.3 |
| Mineral | 46 | 138 | 184 | 25.0 |
| Missoula | 77 | 271 | 348 | 22.1 |
| Musselshell | 35 | 76 | 111 | 31.5 |
| Park | 30 | 127 | 157 | 19.1 |
| Phillips | 38 | 99 | 137 | 27.7 |
| Pondera | 37 | 154 | 191 | 19.4 |
| Ravalli | 70 | 249 | 319 | 21.9 |
| Richland | 56 | 186 | 242 | 23.1 |
| Roosevelt | 75 | 206 | 281 | 26.7 |
| Rosebud | 84 | 200 | 284 | 29.6 |
| Sanders | 61 | 182 | 243 | 25.1 |
| Stillwater | 82 | 199 | 281 | 29.2 |
| Teton | 44 | 219 | 263 | 16.7 |
| Toole | 30 | 89 | 119 | 25.2 |
| Valley | 31 | 106 | 137 | 22.6 |
| Yellowstone | 191 | 437 | 628 | 30.4 |



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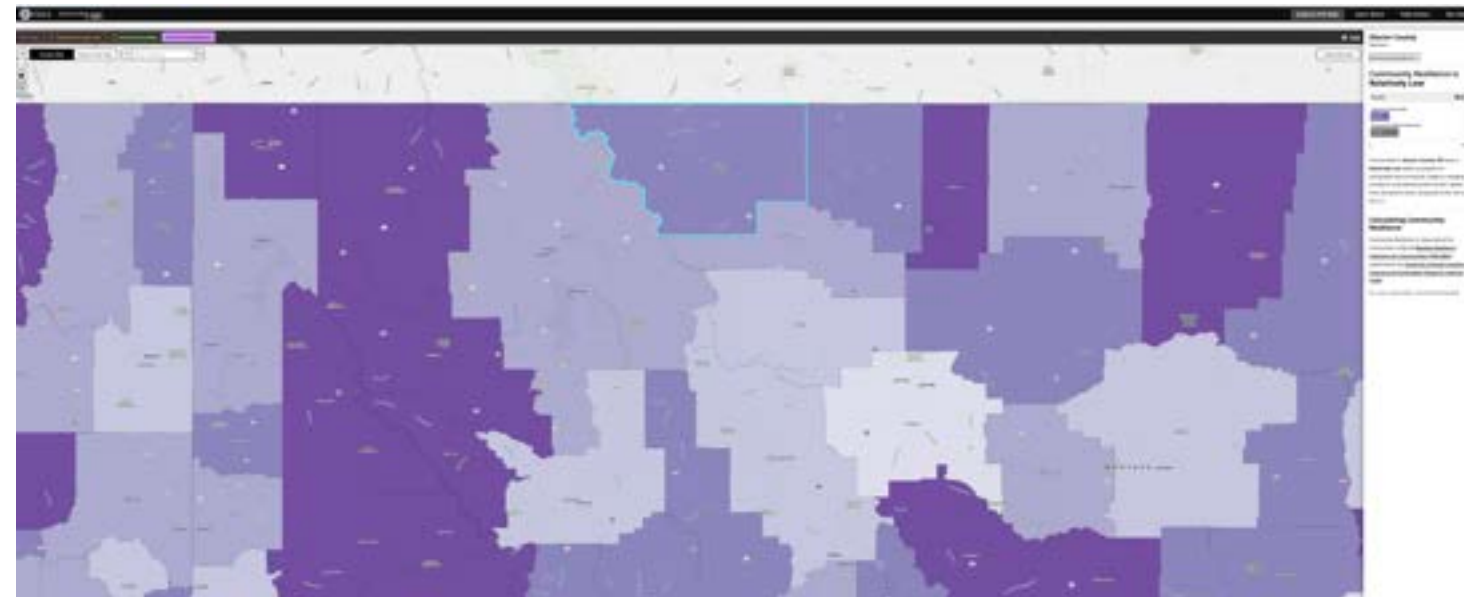
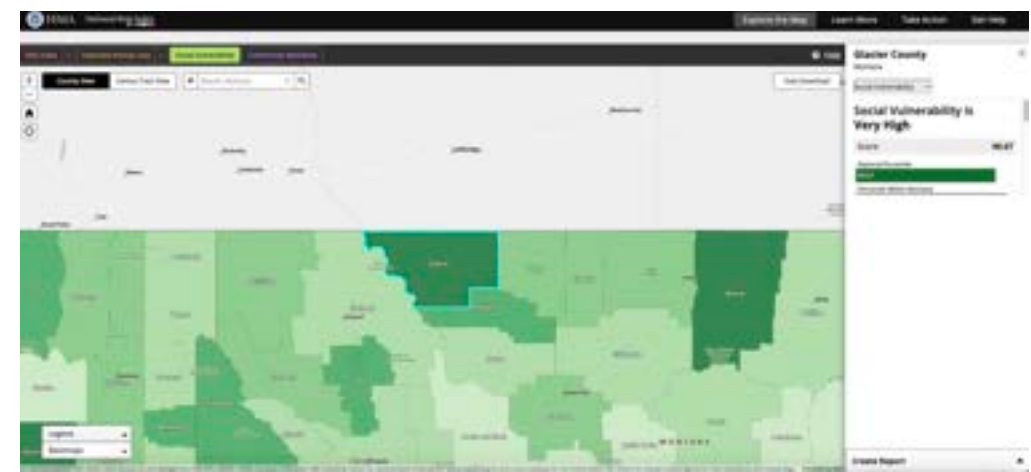
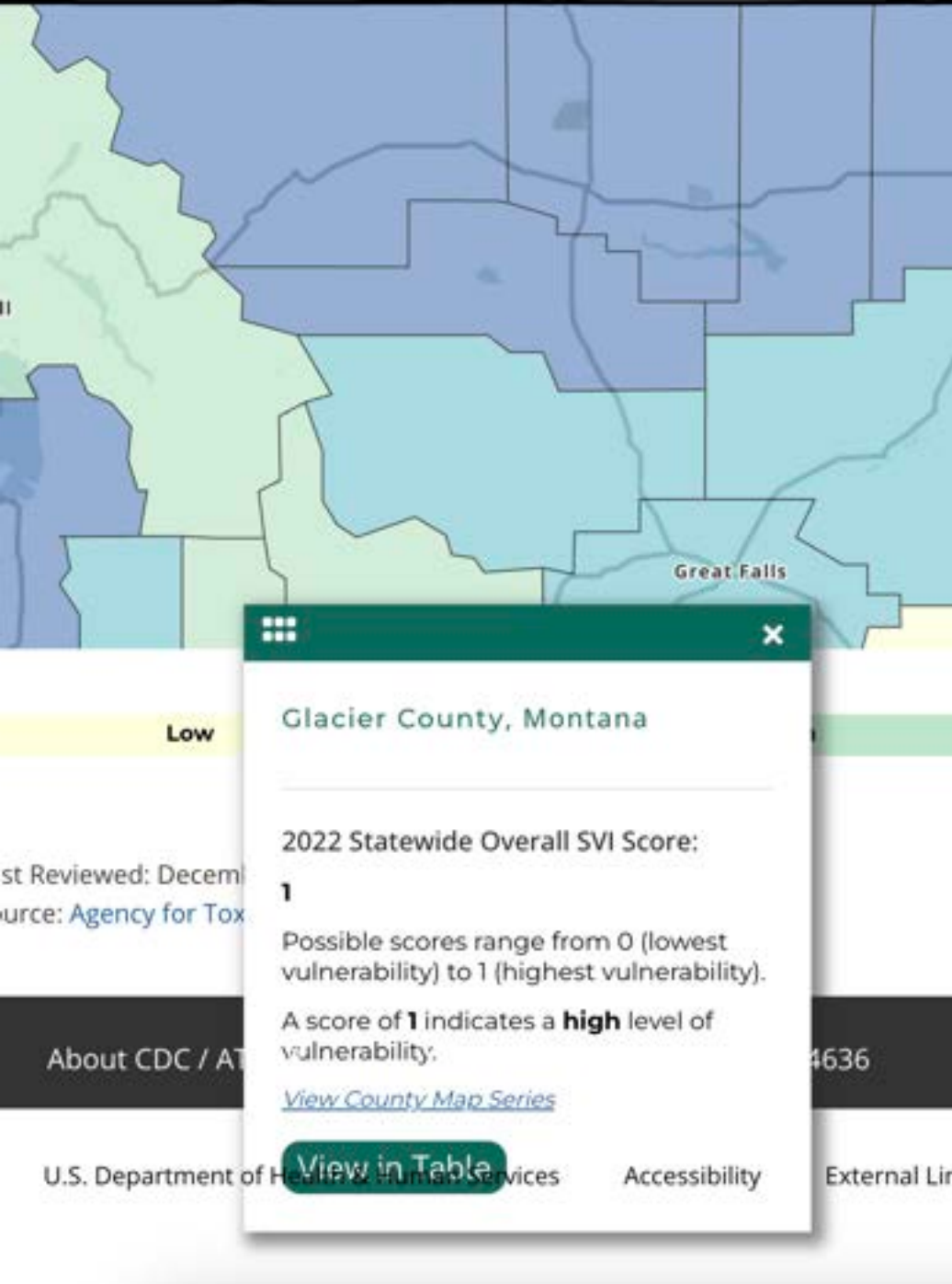


Consultation and Collaboration with the Blackfeet Nation



#NHCP25

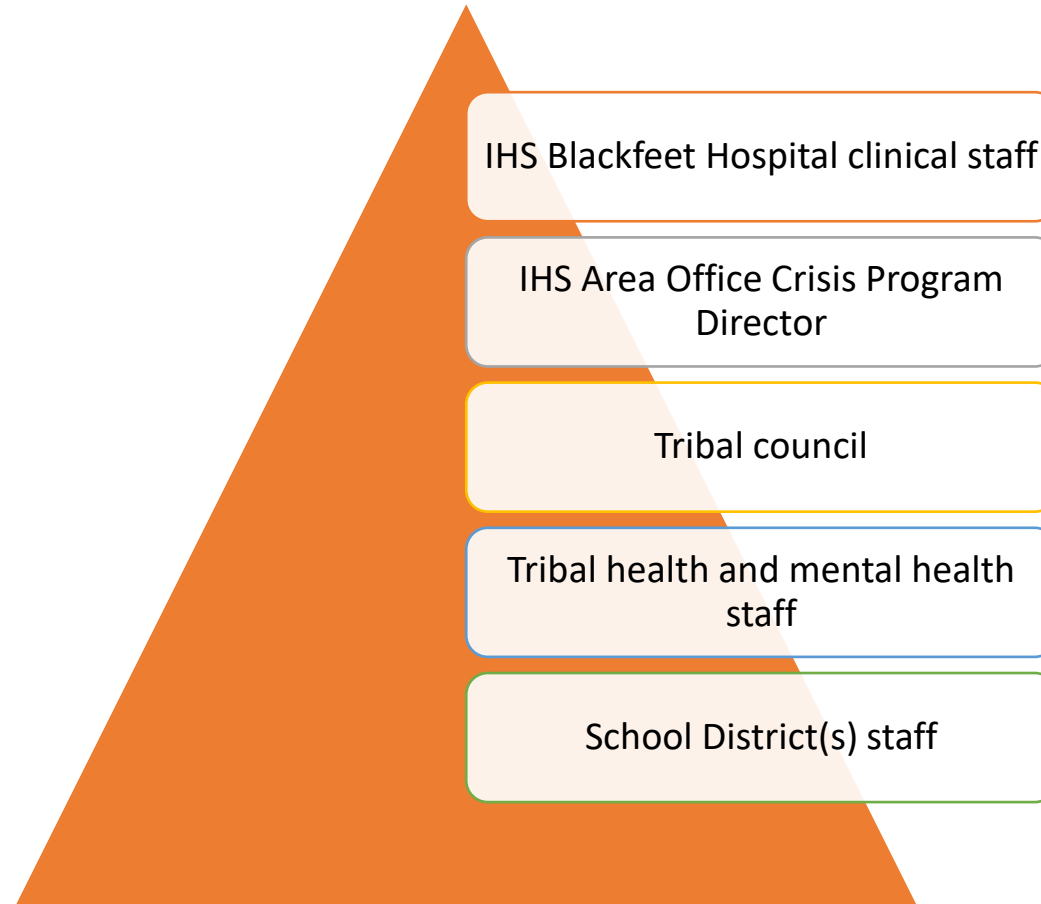




#NHCP25



Connecting with Systems of Care for Tribal Youth



Step 1: Listening sessions with school districts, IHS Hospital mental health and medical staff, Blackfeet Nation Tribal Health(FQHC, Mental Health), IHS Area Office crisis director

Step 2: Local stakeholders selected from a menu of offerings based on menu provided

Step 3: Provided on-site trainings

| CONSULTATION SERVICES | RESOURCES | TRAININGS |
|--|--|--|
| Consultation toward immediate training tools from the PPN PsySTART Triage to Care Learning Collaborative to support the Tribal Council and Tribal Behavioral Health, IHS Billings Area Office Crisis Unit and the IHS Blackfeet Service Unit. | The WRAP-EM Mental Health Readiness Team offered the following resources and tools with technical assistance to support adaptation and implementation that are components of the stepped triage to care package. | Learning Collaborative overview |
| Offer to provide on-going consultative assistance in the development of a locally adapted mental health trauma efforts for everyday and disaster trauma, using the PPN Triage to Care Learning Collaborative with Tele-Health TF-CBT delivery, and based on the National Children's Disaster Mental Health Concept of Operations | PsySTART Rapid Triage MH System, system modifications as needed to support response models, and additional resources for use with schools, EMS, hospital, primary care and other child serving entities. | Summary of Learning Collaborative option for Stepped Triage to Trauma-Focused Cognitive Behavioral Therapy (TF-CBT) with option of tele-health delivery. |
| Offer to build local "Stepped Tele-Health TF-CBT" including conceptualization, adaptation, training, and consultation calls | Overview of Triage to TF-CBT Model, including potential local modifications implementation for the children of the Blackfeet Nation | Community resource coordination/linkage mapping idea with specific training elements including as selected by IHS and Tribal Health members in the pre-planning calls. Provided preliminary version for discussion purposes |
| Consultation with HST Trainers about implementation challenges for additional community trainings as needed | Health Support Team Trainer and Basic Volunteer Manuals, and PowerPoint slides for training. | Health Support Team: Disaster Behavioral Health Curriculum to Assist Communities in Planning and Response. |

#NHCP25



Blackfeet Tribe: Resource Mapping

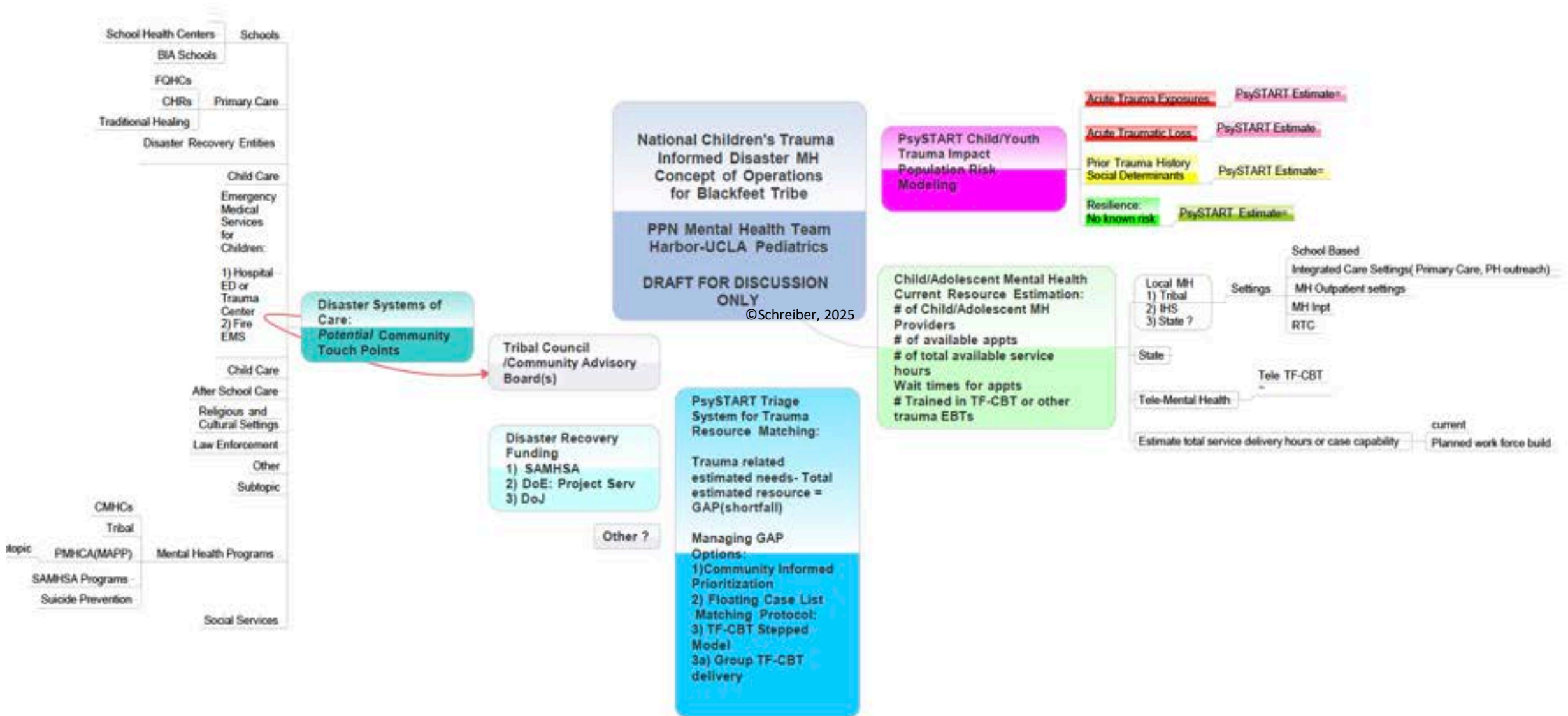
Conducted a number of “listening” and planning meetings, leading to a three-day in person training

Shared the National Children’s Emergency MH Concept of Operations for the youth mental health response, including the concept of community mapping of resources and vulnerable populations as a first step “gap” analysis

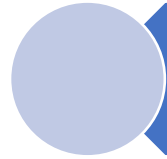
Outlined the PsySTART Triage to Care System for everyday trauma and disasters that the team could provide to support the community’s efforts.



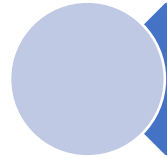
Mapping Community Resources



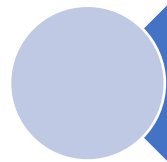
Recommendations



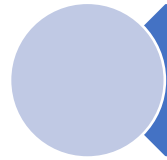
Create and enhance training for Tribal and IHS-based mental health providers on stepped trauma triage to care with case management approach



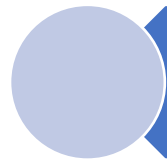
Establish a routine meeting tempo to include all responding agencies and tribal members



Establish a “community advisory board” of those agency reps and survivors (i.e. those directly impacted, which will monitor and provide input on the enhancement of mental health initiatives on a continuous improvement model



Engage Native American/Tribal healing organizations and cultural experts to ensure treatments and approaches include appropriate cultural and healing integrated into “western” medicine approaches



Combine acute suicide crisis-focused/immediate response efforts with pre-crisis trauma informed care for upstream efforts to reduce acute crisis.



Offered Youth Suicide Prevention Linkages-Link to UCLA-Duke ASAP center/National Child Traumatic Stress, Network, SAMHSA Tribal MH Lead,, UW/Seattle Children’s Pediatric Suicide SMEs

#NHCPC25



Blackfeet Tribe: “Filling the Triangle”



Photo by: Amanda MorningStar

- Glacier County, in which the Blackfeet Tribe is located, has the highest rate in the state of youth suicide attempts resulting in injury or poisoning requiring medical treatment, according to the Montana Youth Risk Behavior Survey, 2024. Suicide rates on the Blackfeet Tribe specifically are x5 the already high Montana state average.
- Glacier County also reports the highest rate of reported youth suicidal ideation, reported plan for suicide, and youth suicide attempts.(Montana YBRS Data Report ,2024)
- Social Vulnerability Score for Glacier County is rated “very high” and at the 90th %ile, indicating challenges with housing, socio-economic factors such as acute and on-going trauma and social determinants of health impacts: high poverty rates, lack of transportation and low access to resources.(CDC SVI System).

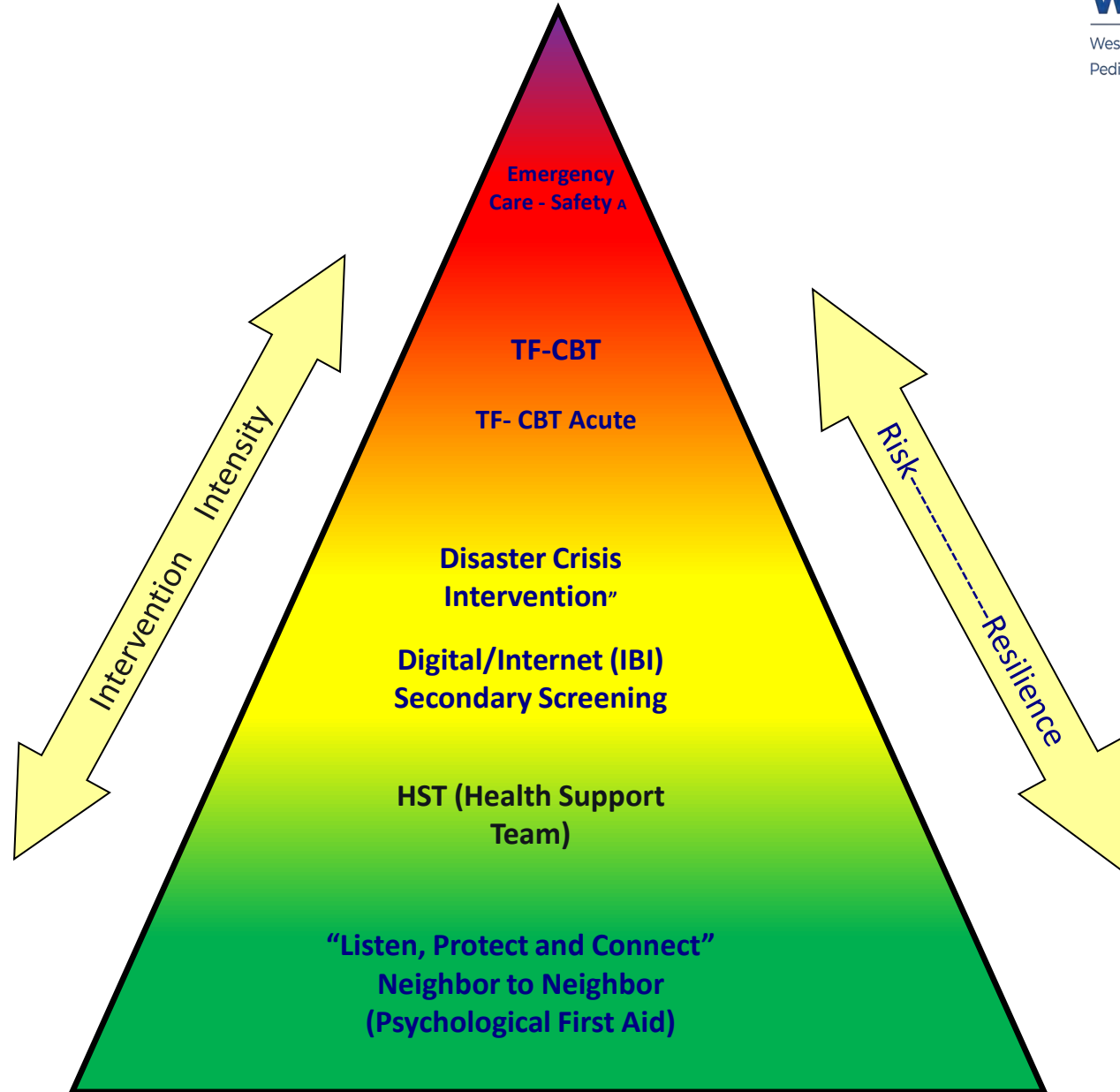
Training across the Triangle:
Provided training broadly to
community members on
LPC psychological first aid

Provided training on Health
Support Team to community
members, MH providers, and
school staff organizations

Provided training on use of
PsySTART triage for everyday
trauma and disasters

Trained
Anticipate. Plan. Deter.
Provider Resilience to MH
and school staff

Described Stepped TF-CBT
and invited MH providers to
become trained



Multiple “Train the Trainer” Trainings Over Three Days

Goals:

Provide knowledge about psychological trauma and coping skills to community member to address mental health impacts across a variety of levels of risk via psychological first aid.

Train community members and professional staff in basic disaster behavioral health knowledge and Cognitive Behavioral Therapy skills to provide peer support to their neighbors, family members and colleagues, via Health Support Team.

Train personal resilience and risk monitoring for those community members who are healthcare providers or first responders.

Provide information and offer training on psychological triage via PsySTART and Stepped TF-CBT



Listen, Protect and Connect[®]

Psychological First Aid for Community Resilience

Merritt Schreiber, Ph.D.
Kira Mauseth, Ph.D.
Tona McGuire, Ph.D.





HST CHILDREN, YOUTH &
TEEN TRAINER GUIDE

HST CHILDREN YOUTH & TEEN TRAINER GUIDE

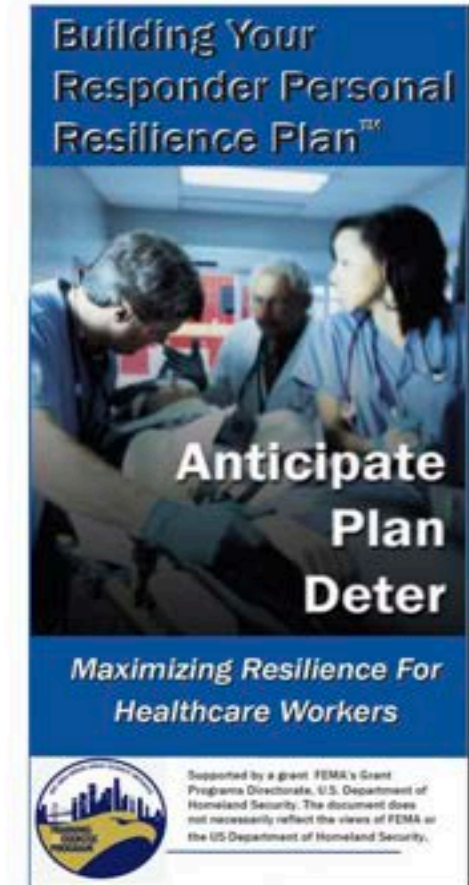
A Disaster Behavioral Health Curriculum to Assist
Communities and Organizations in Planning and Response

Kira Mauseeth, Ph.D. Tona McGuire, Ph.D.

HST TRAIN-the-TRAINER: for adults supporting Children, Youth, Teens, and Families

Anticipate. Plan. Deter / PsySTART R Responder Resilience System

- “Anticipate impacts you and your family will face as a responder in any disaster
 - Tailored, mission/incident specific configurations
 - Manage predictable risk “*precursors*”
- Plan how you will handle expectable stress for you and family
- Deter expectable stress during a disaster
 - Automated feedback from PsySTART R via SMS text link
 - “Coping *Solution Focused Self Monitoring*” to digital health next steps
 - Enables linkage to stepped care for higher risk providers
- With Population Level Incident Management
- Allow agencies to see provider/responder *population* level impacts immediately via PsySTART Impact Temperature Mapping™
 - Real-Time, Dynamic Population Situational Awareness :
 - Creates mitigation strategies based on actual event impacts
 - Targeted risk factor reduction and engagement for mission continuity



Anticipate. Plan. Deter.

- A focus on resilience
- **Anticipate**
 - What your role is and challenges you may experience, sometimes called “stress inoculation”
- **Plan**
 - Develop your personal resilience plan to help you cope
 - Build on your personal strengths and social connections
 - Consider what else you may need in your coping plan
- **Deter:**
 - Activate individual coping and resilience plan
 - Self-monitoring: Monitor your exposure risk by monitoring what has happened to the children you help
 - Manage “next steps”

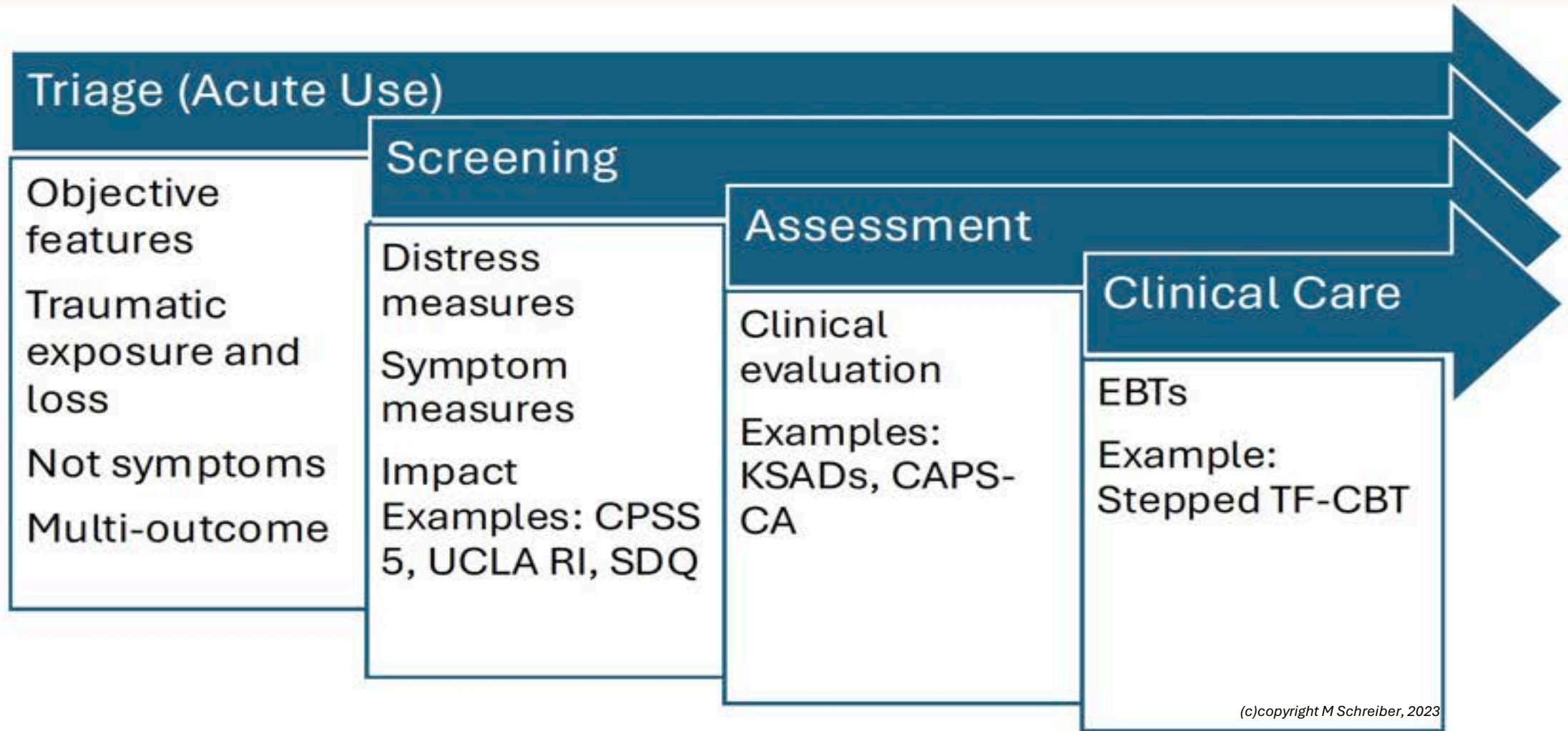


**Example:
APD/PsySTART
Responder
Training: Over 500
trained from 2020-
2022 via WA State
Dept of Health's
Behavioral Health
Strike Team**

- Front line healthcare workers in hospitals
- Fire and EMS
- Staff in skilled nursing facilities
- Staff in correctional facilities and juvenile justice centers
- Behavioral health providers
- Staff in Isolation and Quarantine setting



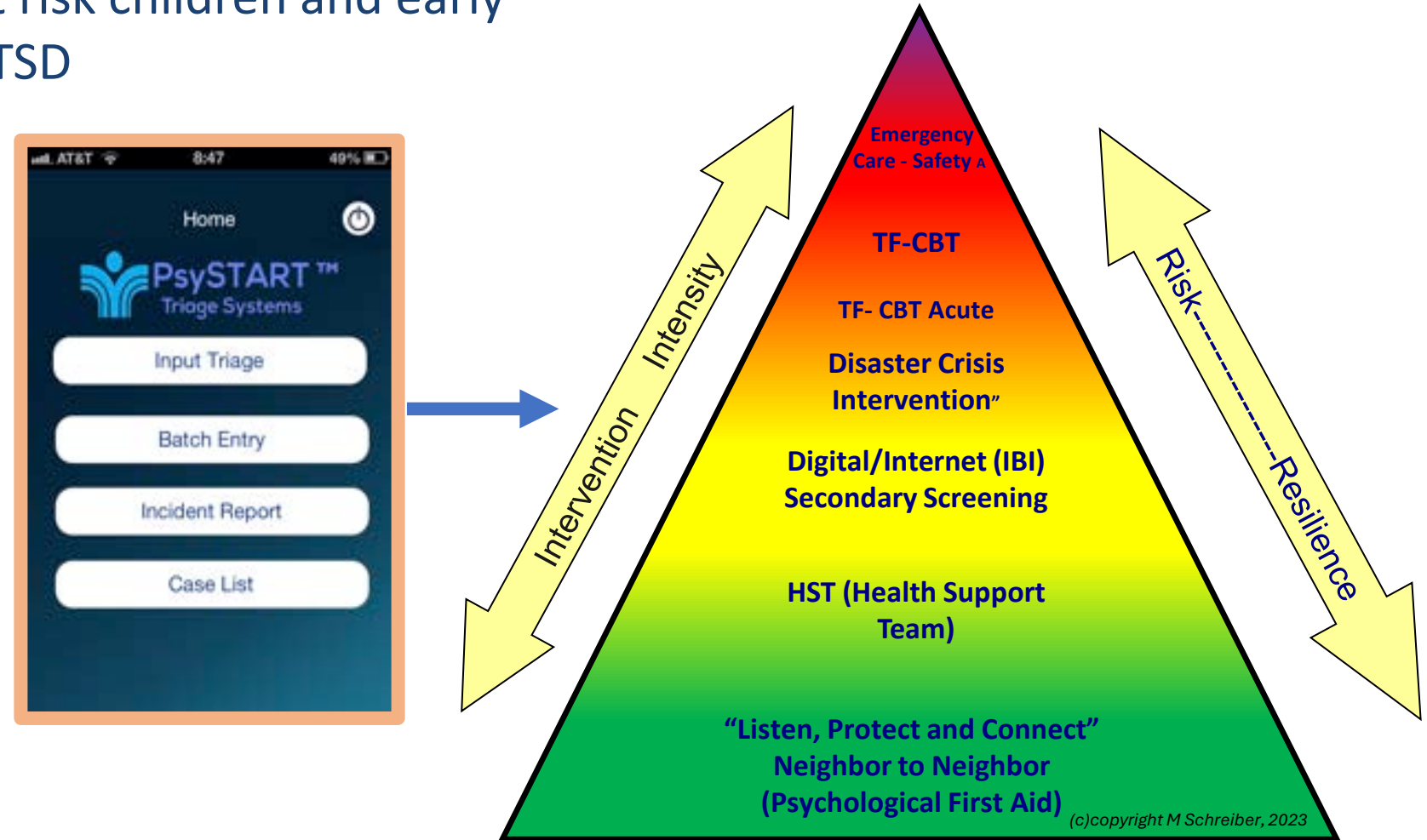
Stepped Triage to Care for Pediatric Disaster Victims Model



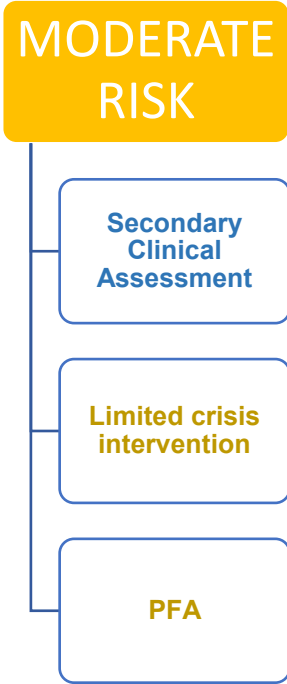
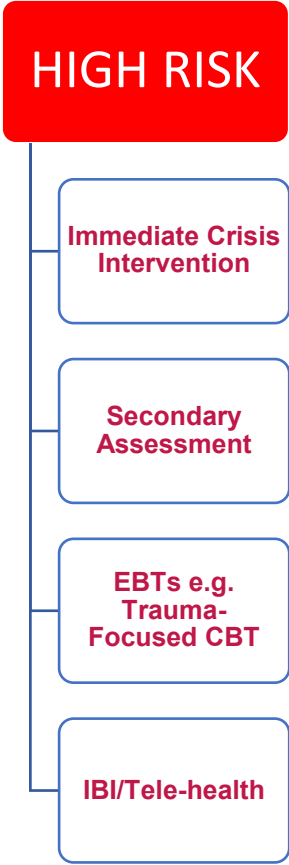
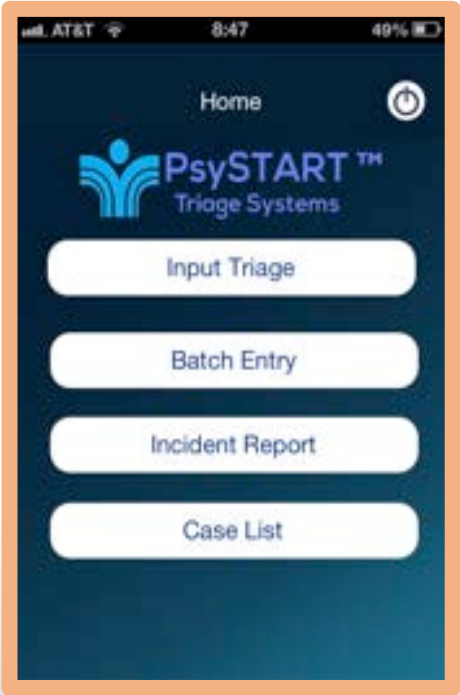
PsySTART Triage to Care

Goal:

Identification of at risk children and early intervention for PTSD



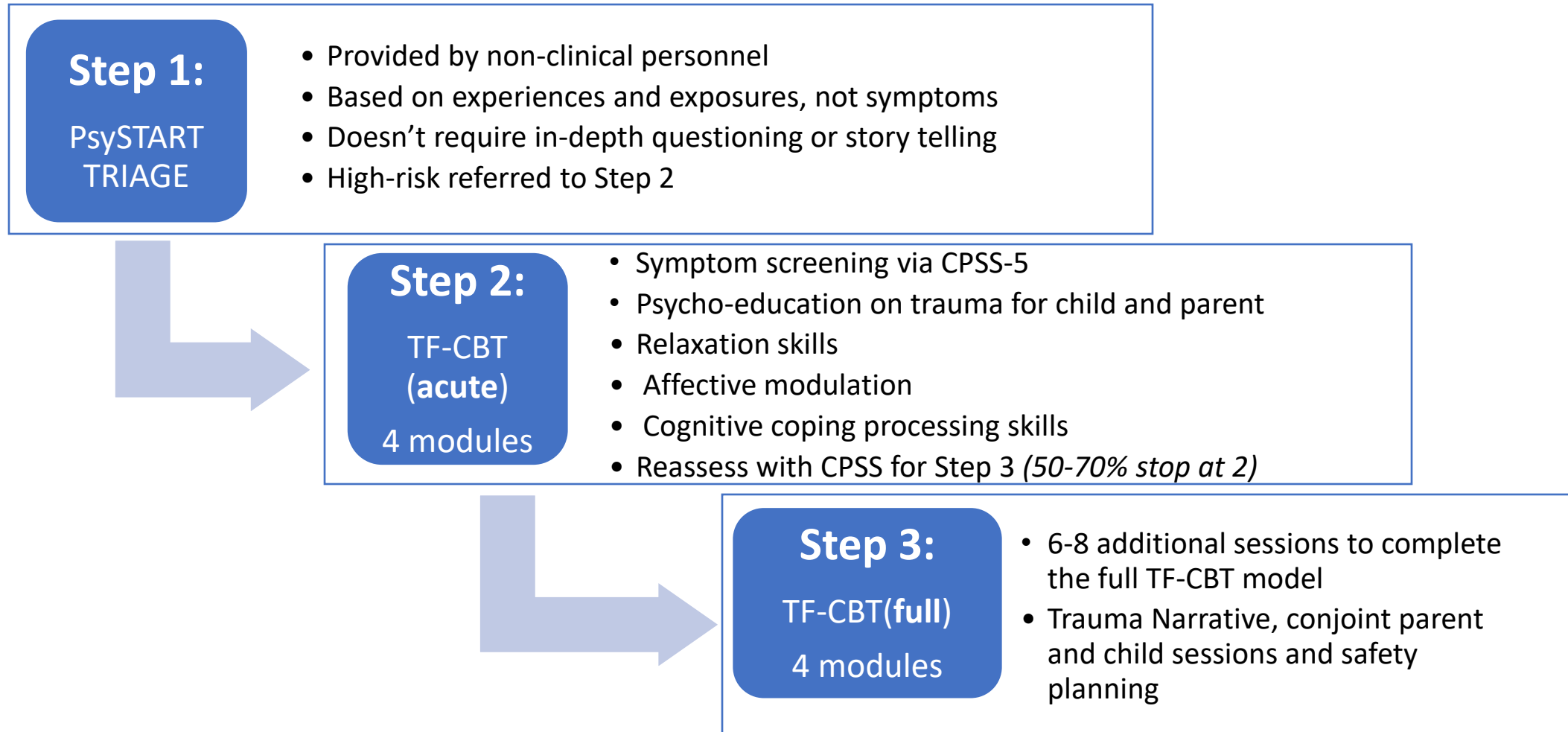
PsySTART=rapid decision support for traumatized children at population level allowing for care matching :
“one size does not fit all”



©Schreiber, 2025



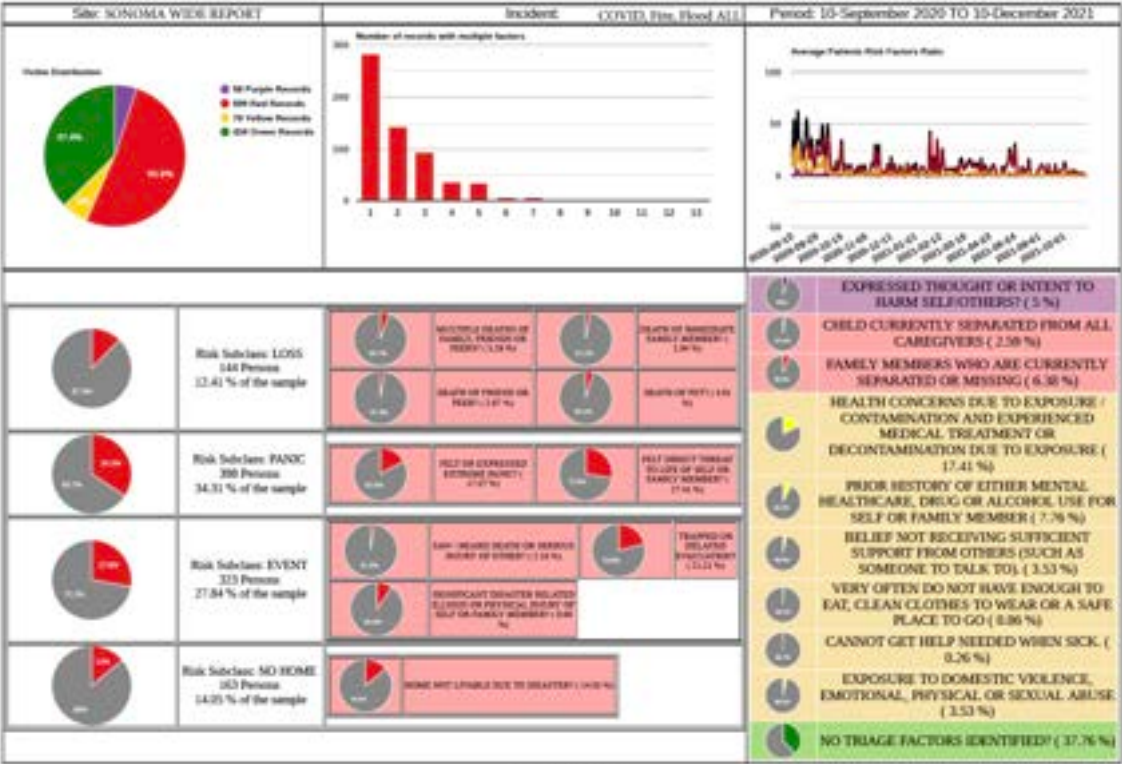
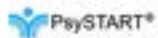
Stepped Triage to Care = Three Steps



©Schreiber, 2025

PsySTART Pediatric Community MH Risk/ “Community Trauma Temperature” Mapping

Mobile sites (without specific locations) will be mapped to its parent site



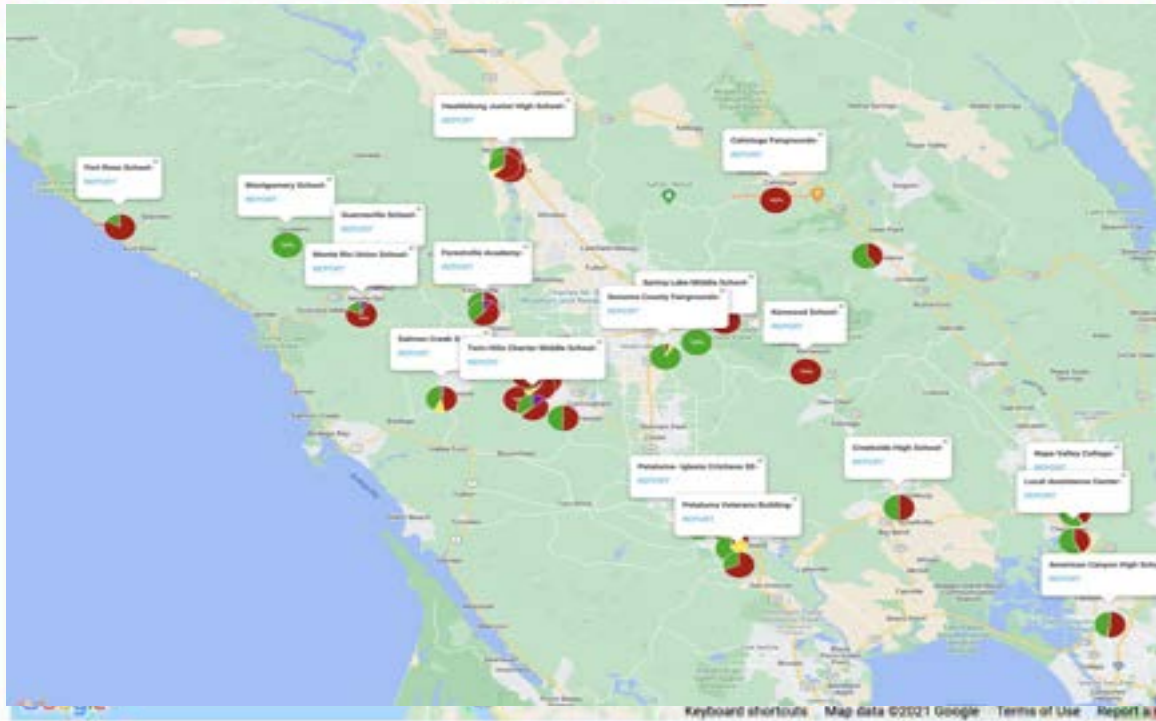
Filters

Date

2020-09-

to

Adult



Goal: Early Intervention with Evidence-Based Treatments

The goal of this approach is to offset a wide range of downstream trauma impacts, such as serious mental health disorders and suicide crises, by intervening in the trauma cycle early.

-Emphasis on early intervention with trauma-informed pediatric care, via training and on- going consultative assistance to the Blackfeet Nation.

-With this we hope to enhance locally operational “upstream” care options.



Source: Public Health Sudbury & Districts www.phsd.ca

Irving Zola's "Upstream-downstream parable";

#NHCPC25

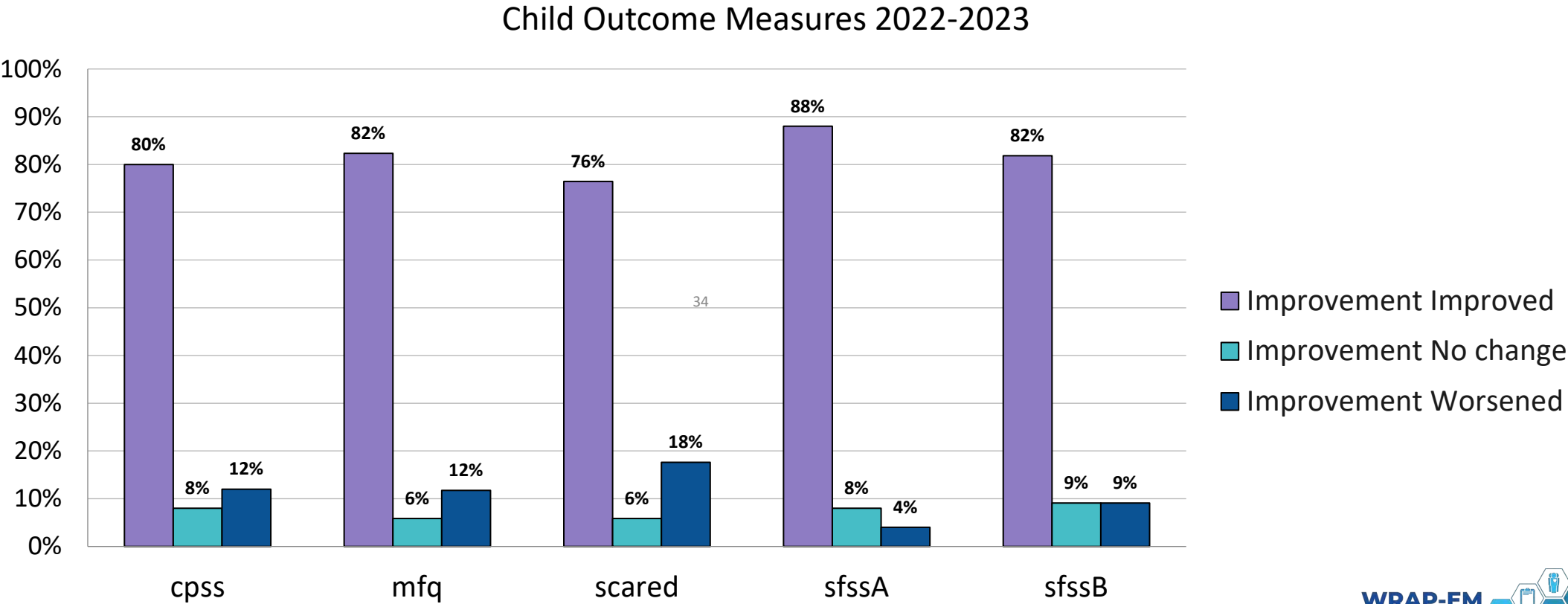


Increasing Access to Limited Mental Health Resources via Stepped Triage to TF- CBT

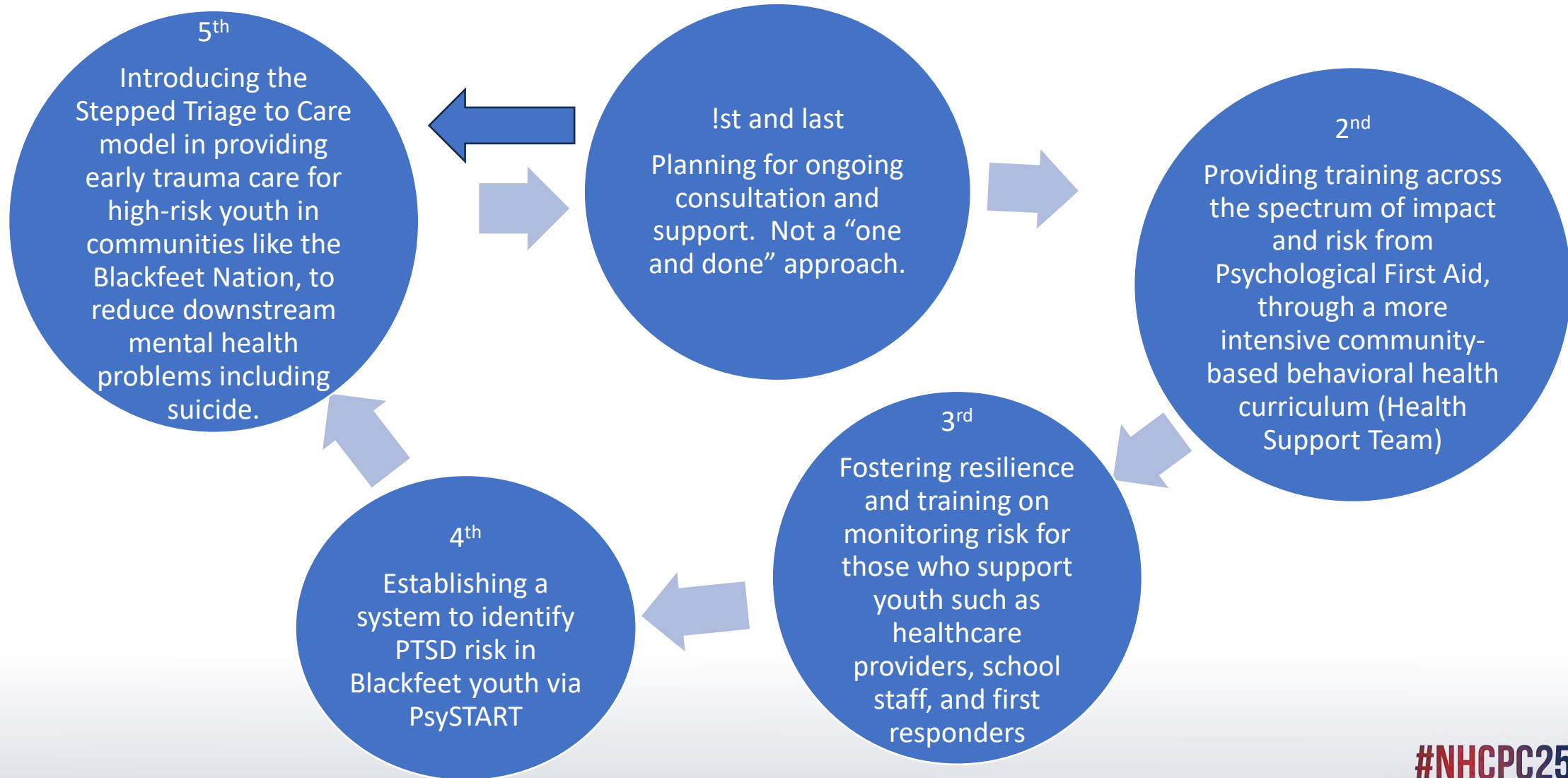


- Positive PsySTART Triage cases assigned to Stepped TF-CBT
- Tele-Behavioral Health, in person, or hybrid
- In natural disaster projects, over half “graduated” from care after receiving first four modules of the intervention
- Increases individual provider efficiency by 60+%, allowing more children to be served (i.e., KPI=.67)

PsySTART Stepped Triage to Care : Washington State Project: Using RCI 2022-2023 end of project year



Partnership Between the Blackfeet Nation and WRAPEM





Strengthening Coalitions Lies Deep in the Heart of Collaboration



Thank You! Questions?



Tona McGuire

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Merritt Schreiber

m.schreiber@ucla.edu

Jennifer St.Goddard

j.stgoddard@blackfeetnation.com

#NHCPC25

| HICS 255 - MASTER PATIENT EVACUATION TRACKING FORM – NICU | | | | | | | | | |
|---|--|--|-----------------------------------|--|--|---|--|--|--|
| 1. INCIDENT NAME | | | 2. DATE/TIME PREPARED | | | | 3. PATIENT TRACKING MANAGER | | |
| 4. PATIENT EVACUATION INFORMATION | | | | | | | | | |
| Patient Name or Sticker | Disposition <input type="checkbox"/> Home <input type="checkbox"/> Discharge <input type="checkbox"/> Transfer <input type="checkbox"/> Morgue | Evacuation Triage Category <input type="checkbox"/> Immediate <input type="checkbox"/> Delayed <input type="checkbox"/> Minor | Mode of Transport | | Family Present <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> CCT | <input type="checkbox"/> ALS | Family Notified <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> BLS | <input type="checkbox"/> Bus | Medication/Supplies Sent <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> Car | <input type="checkbox"/> Van | Heat Source <input type="checkbox"/> Yes <input type="checkbox"/> No Type: <input type="checkbox"/> Radiant Warmer <input type="checkbox"/> Isolette <input type="checkbox"/> Gel Pad | | | | |
| | | | <input type="checkbox"/> Aircraft | | | | | | |
| Accepting Hospital or Location | | Time Accepting Hospital Contacted & Report Given | | Transport Initiated Company: _____ Time: _____ | | Admit Location <input type="checkbox"/> NICU Rm/Bed # _____ <input type="checkbox"/> ER Rm/Bed # _____ <input type="checkbox"/> Floor Rm/Bed # _____ | | Arrival Confirmed <input type="checkbox"/> Yes <input type="checkbox"/> No Time: _____ | |
| Patient Name or Sticker | Disposition <input type="checkbox"/> Home <input type="checkbox"/> Discharge <input type="checkbox"/> Transfer <input type="checkbox"/> Morgue | Evacuation Triage Category <input type="checkbox"/> Immediate <input type="checkbox"/> Delayed <input type="checkbox"/> Minor | Mode of Transport | | Family Present <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> CCT | <input type="checkbox"/> ALS | Family Notified <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> BLS | <input type="checkbox"/> Bus | Medication/Supplies Sent <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> Car | <input type="checkbox"/> Van | Heat Source <input type="checkbox"/> Yes <input type="checkbox"/> No Type: <input type="checkbox"/> Radiant Warmer <input type="checkbox"/> Isolette <input type="checkbox"/> Gel Pad | | | | |
| | | | <input type="checkbox"/> Aircraft | | | | | | |
| Accepting Hospital or Location | | Time Accepting Hospital Contacted & Report Given | | Transport Initiated Company: _____ Time: _____ | | Admit Location <input type="checkbox"/> NICU Rm/Bed # _____ <input type="checkbox"/> ER Rm/Bed # _____ <input type="checkbox"/> Floor Rm/Bed # _____ | | Arrival Confirmed <input type="checkbox"/> Yes <input type="checkbox"/> No Time: _____ | |
| Patient Name or Sticker | Disposition <input type="checkbox"/> Home <input type="checkbox"/> Discharge <input type="checkbox"/> Transfer <input type="checkbox"/> Morgue | Evacuation Triage Category <input type="checkbox"/> Immediate <input type="checkbox"/> Delayed <input type="checkbox"/> Minor | Mode of Transport | | Family Present <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> CCT | <input type="checkbox"/> ALS | Family Notified <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> BLS | <input type="checkbox"/> Bus | Medication/Supplies Sent <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| | | | <input type="checkbox"/> Car | <input type="checkbox"/> Van | Heat Source <input type="checkbox"/> Yes <input type="checkbox"/> No Type: <input type="checkbox"/> Radiant Warmer <input type="checkbox"/> Isolette <input type="checkbox"/> Gel Pad | | | | |
| | | | <input type="checkbox"/> Aircraft | | | | | | |
| Accepting Hospital or Location | | Time Accepting Hospital Contacted & Report Given | | Transport Initiated Company: _____ Time: _____ | | Admit Location <input type="checkbox"/> NICU Rm/Bed # _____ <input type="checkbox"/> ER Rm/Bed # _____ <input type="checkbox"/> Floor Rm/Bed # _____ | | Arrival Confirmed <input type="checkbox"/> Yes <input type="checkbox"/> No Time: _____ | |
| 5. SUBMITTED BY | | | | 6. DATE/TIME SUBMITTED | | | 7. FACILITY NAME St. Louis Children's Hospital | | |

HICS 260 – PATIENT EVACUATION TRACKING FORM – NICU

| | |
|--|----------------|
| FACILITY NAME St. Louis Children's Hospital | 1. DATE |
|--|----------------|

PLACE PATIENT STICKER IN THIS SPACE

| | |
|---------------------------|-------------------------------|
| 3. DIAGNOSIS (-ES) | 4. ADMITTING PHYSICIAN |
|---------------------------|-------------------------------|

| | |
|--|--|
| 5. FAMILY NOTIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO | FAMILY PRESENT <input type="checkbox"/> YES <input type="checkbox"/> NO |
|--|--|

CONTACT INFORMATION:

6. ACCOMPANYING EQUIPMENT (CHECK THOSE THAT APPLY)

| | | | |
|-------------------------------------|-------------------------------------|--|---|
| <input type="checkbox"/> Crib | <input type="checkbox"/> IV Pumps | <input type="checkbox"/> Chest Tube(s) | <input type="checkbox"/> Foley Catheter |
| <input type="checkbox"/> Isolette | <input type="checkbox"/> Oxygen | <input type="checkbox"/> Monitor | <input type="checkbox"/> IO Device |
| <input type="checkbox"/> Open Table | <input type="checkbox"/> Ventilator | <input type="checkbox"/> A-Line/Swan | <input type="checkbox"/> Heat Source Type: |
| <input type="checkbox"/> Other | <input type="checkbox"/> Other | <input type="checkbox"/> Other | <input type="checkbox"/> Other |

| | |
|---|-------------|
| ISOLATION <input type="checkbox"/> YES <input type="checkbox"/> NO | TYPE |
|---|-------------|

REASON

| | |
|---|---|
| 7. DEPARTING LOCATION/DEPARTMENT | 8. EVACUATION STAGING/HOLDING LOCATION |
|---|---|

| | |
|--|--|
| MODE OF TRANSPORT <input type="checkbox"/> CARRY <input type="checkbox"/> CRIB / ISOLETTE / TABLE <input type="checkbox"/> EVACUATION BASKET | MODE OF TRANSPORT <input type="checkbox"/> CARRY <input type="checkbox"/> CRIB / ISOLETTE / TABLE <input type="checkbox"/> EVACUATION BASKET |
|--|--|

| | | | |
|--|---|---|------|
| ROOM# | TIME | ROOM # | TIME |
| ID Band Confirmed <input type="checkbox"/> YES <input type="checkbox"/> NO | By: | ID Band Confirmed <input type="checkbox"/> YES <input type="checkbox"/> NO | By: |
| Belongings <input type="checkbox"/> with Patient <input type="checkbox"/> Left in Room <input type="checkbox"/> None | Belongings Received <input type="checkbox"/> YES <input type="checkbox"/> NO | | |
| Valuables <input type="checkbox"/> with Patient <input type="checkbox"/> Left in Safe <input type="checkbox"/> None | Valuables <input type="checkbox"/> YES <input type="checkbox"/> NO | | |
| Medications <input type="checkbox"/> with Patient <input type="checkbox"/> Left on Unit <input type="checkbox"/> to Pharmacy | Medications Received <input type="checkbox"/> YES <input type="checkbox"/> NO | | |

PEDS/INFANTS

| | |
|--|--|
| Bag/Mask with Tubing Sent <input type="checkbox"/> YES <input type="checkbox"/> NO | Bag/Mask with Tubing Received <input type="checkbox"/> YES <input type="checkbox"/> NO |
| Bulb Syringe Sent <input type="checkbox"/> YES <input type="checkbox"/> NO | Bulb Syringe Received <input type="checkbox"/> YES <input type="checkbox"/> NO |

9. TRANSFERRING TO ANOTHER FACILITY

| | |
|-----------------------|--------------|
| TIME TO LOADING AREA: | DESTINATION: |
|-----------------------|--------------|

| |
|--|
| TRANSPORTATION <input type="checkbox"/> Ambulance Unit <input type="checkbox"/> Helicopter <input type="checkbox"/> Other: |
|--|

| |
|--|
| ID BAND CONFIRMED <input type="checkbox"/> YES <input type="checkbox"/> NO BY: (please print) |
|--|

| |
|---|
| STAFF ACCOMPANING PATIENT: <input type="checkbox"/> YES <input type="checkbox"/> NO NAME: (please print) |
|---|

| |
|-----------------|
| DEPARTURE TIME: |
|-----------------|



Strengthening Coalitions Lies Deep in the Heart of Collaboration



Presented By:



How Disabilities & Special Health Needs Become Disaster Planning Superpowers

Jonathon S. Feit, MBA, MA

#NHCPC25



Disabilities and Disasters

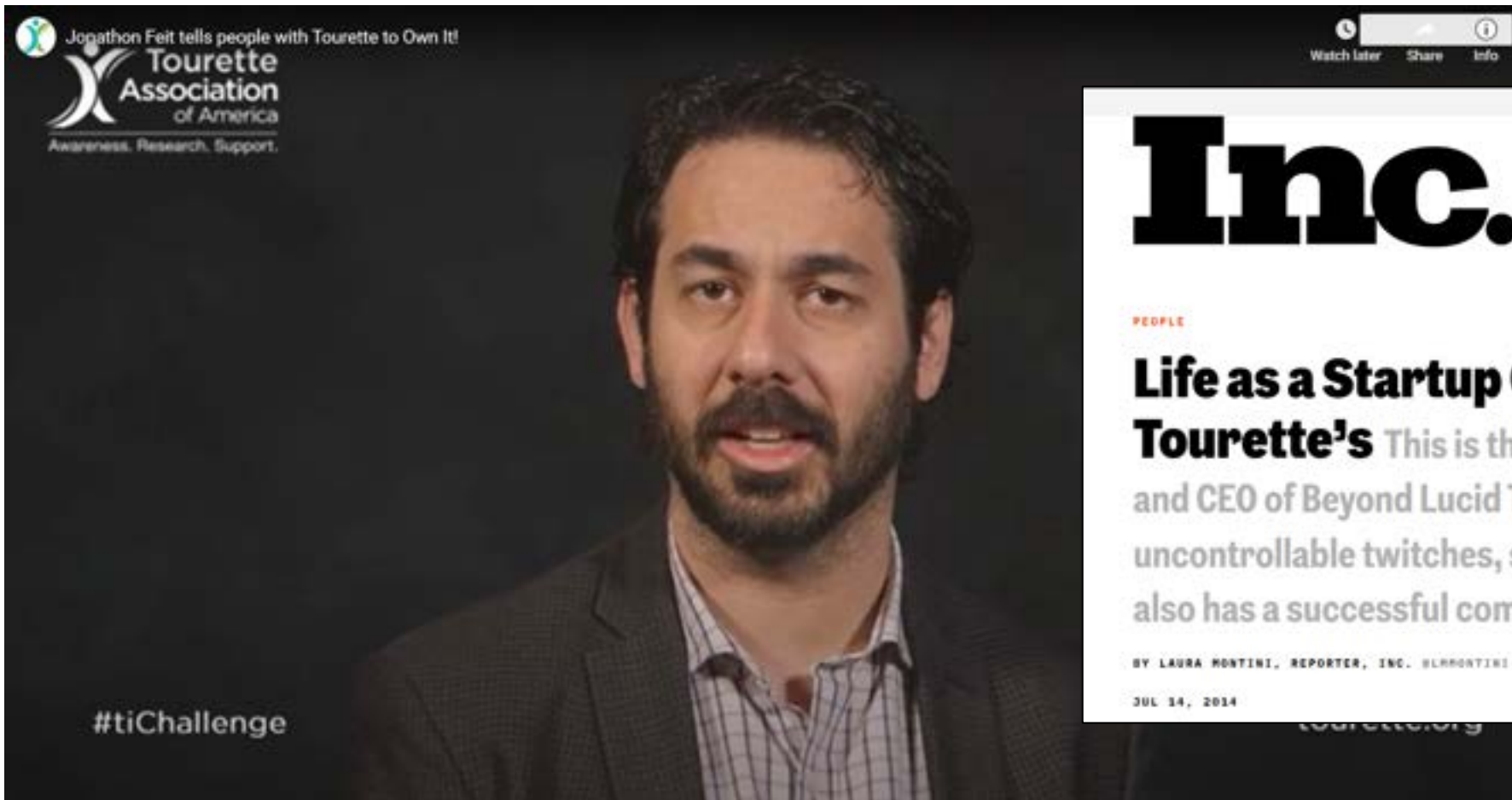
Perhaps the single-most personal presentation I have ever given.

Jonathon S. Feit, MBA, MA
Co-Founder & Chief Executive
BeyondLucid.com
(650) 648-3727

Jonathon.Feit@beyondlucid.com

BEYOND
LUCID

Look, Ma – I'm a twitchy guy!

A portrait of Jonathon Feit, a man with dark hair and a beard, wearing a dark blazer over a light-colored checkered shirt. He is looking directly at the camera with a slight smile.

Jonathon Feit tells people with Tourette to Own It!

Tourette Association of America
Awareness. Research. Support.

#tiChallenge

Watch later Share Info

Inc.

PEOPLE

Life as a Startup CEO With Tourette's

This is the story of Jonathon Feit, founder and CEO of Beyond Lucid Technologies, who has uncontrollable twitches, sniffles and shoulder shrugs. He also has a successful company.

BY LAURA MONTINI, REPORTER, INC. @LHMONTINI

JUL 14, 2014

There's nothing theoretical about this talk.

This talk is as serious as it gets.

I hope what we discuss makes you **livid.**

**Head home and question every healthcare
IT investment if *any* of what we discuss
today holds true in your community.**

Because people **DIED.**

LOCAL NEWS

Altadena man shares unimaginal loss of disabled father, brother in Eaton Fire

by: [Josh DuBose](#)

Posted: Jan 14, 2025 / 05:29 PM PST

Updated: Jan 14, 2025 / 05:38 PM PST



LOCAL NEWS

Altadena man shares unimaginal loss of disabled father, brother in Eaton Fire

by: [Josh DuBose](#)

Posted: Jan 14, 2025 / 05:29 PM PST

Updated: Jan 14, 2025 / 05:38 PM PST



LOCAL NEWS

Disabled Eaton Fire victim escaped deadly flames in wheelchair

by: Josh DuBose

Posted: Jan 14, 2025 / 08:00 PM PST

Updated: Jan 14, 2025 / 08:00 PM PST



0:54 / 3:18



[nbcnews.com/news/us-news/former-child-star-rory-sykes-dies-california-wildfires-rcna187252](https://www.nbcnews.com/news/us-news/former-child-star-rory-sykes-dies-california-wildfires-rcna187252)



Los Angeles Daily News

News | Disabled father and son died awaiting rescue...



Anthony Mitchell the Fourth sits next to his father, Anthony Mitchell the Third, who has two of his great-grandchildren — Anthony Mitchell the Sixth, 7, and Jeremiah Mitchell, 5 — on his lap as Anthony and Jeremiah's father, Anthony Mitchell the Fifth, stands in the background. Anthony Mitchell the Third, who was 66, and one of his sons — 35-year-old Justin Mitchell — died awaiting rescue from the Eaton fire in Altadena. (Photo courtesy of Anthony Mitchell the Fifth)

Former child star Rory Sykes dies in California wildfires as mom tried to save him

SHARE & SAVE —



Former child star Rory Sykes dies in California wildfires as mom tried to save him

Sykes, 32, was born blind and had cerebral palsy and difficulty walking, his mother said.

California has known that disabled people need help in fires. After LA, can it better prepare for the next one?



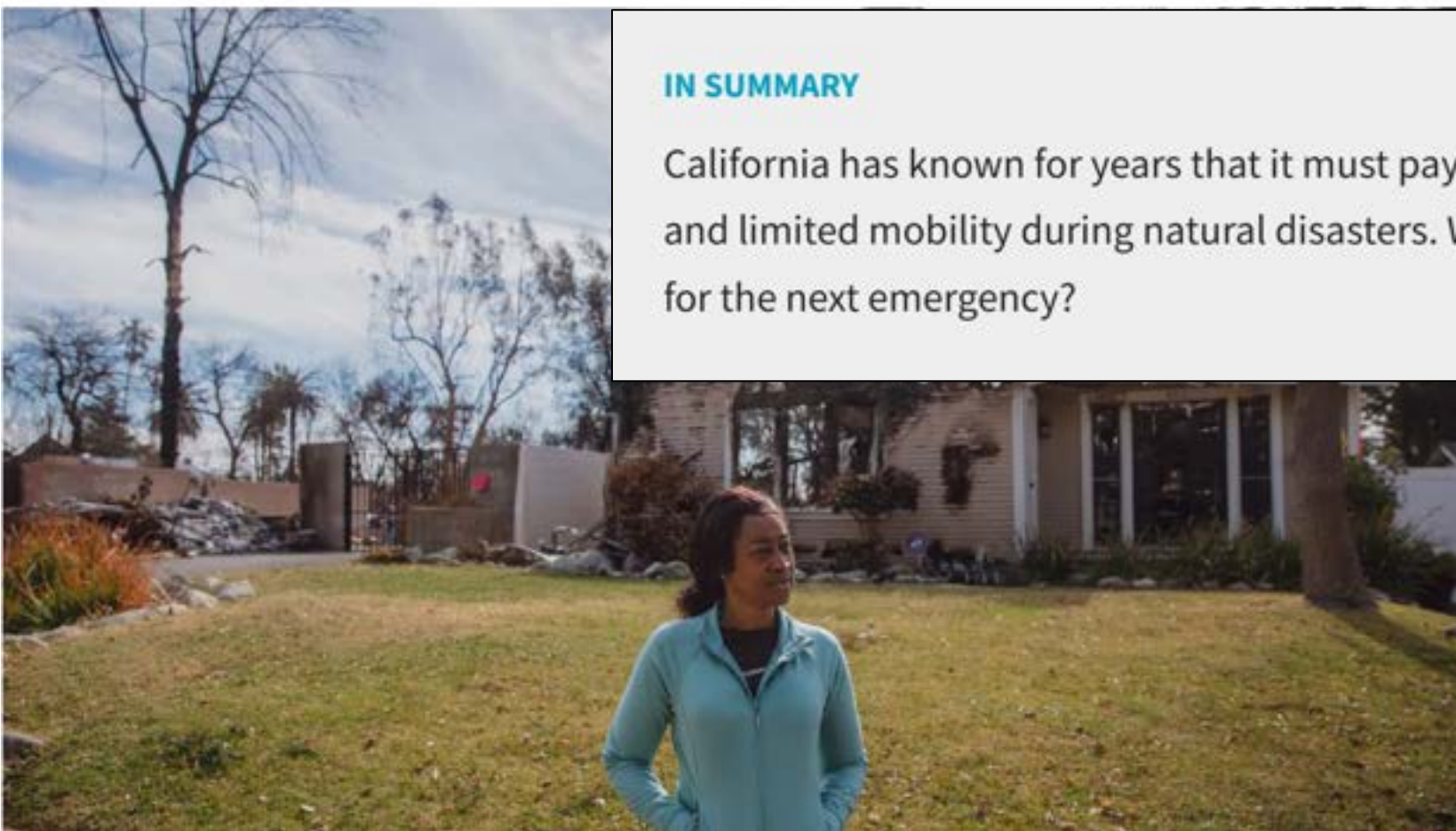
BY ANA B. IBARRA
FEBRUARY 19, 2025

Republish



IN SUMMARY

California has known for years that it must pay extra attention to people with disabilities and limited mobility during natural disasters. Will it put the lessons of the L.A. fires to use for the next emergency?



Accessible Evacuations: How All Californians Can Prepare for Emergencies

Published: Apr 12, 2023



Vulnerable populations are typically disproportionately affected by disasters. That's why it's so important to have specific plans in place and a go-bag ready in case of an emergency or evacuation. The California Governor's Office of Emergency Services (Cal OES) wants to ensure the Access and Functional Needs (AFN) community can respond quickly to emergency orders.

Different Needs Create Different Plans

AFN refers to individuals who are/have:

- Physical, developmental, or intellectual disabilities
- Chronic conditions or injuries
- Limited English proficiency
- Older adults
- Children
- Low income, homeless and/or transportation disadvantaged (i.e., dependent on public transit)
- In late stages of pregnancy

IN SUMMARY

California has known for years that it must pay extra attention to people with disabilities and limited mobility during natural disasters. Will it put the lessons of the L.A. fires to use for the next emergency?

Jan 16, 2025

Preparing for a Natural Disaster

Learn about where to start, items to prepare, and view a video with tips for the disability community

Natural disasters can impact California at all times of year. For residents with disabilities, events like wildfires, earthquakes, and floods pose additional risks.

[Read More >](#)

Jan 15, 2025 | #1099R

Wildfire Resource Guide & How Disability Rights California Can Help You

If you have an emergency or are in trouble, call 911. Disability Rights California cannot help you evacuate or stay safe.

[Read More >](#)

Many residents with disabilities can't flee fires on their own. Could a database help?



Anthony Mitchell Sr. poses with two of his great-grandchildren. The Altadena patriarch died in the fast-moving Eaton fire Wednesday while waiting to be evacuated with his disabled son. (Courtesy of Mitchell family)



FIREHOUSE

2025 CALIFORNIA FIRE STORM

CA Wildfires Show Need for Database of Disabled Residents

Some of the elderly residents who perished in the Eaton Fire had mobility or health issues, Los Angeles County Fire Chief Anthony Marrone said.

By Rebecca Ellis


Jan. 22, 2025 • 4 min read


Source Los Angeles Times (TNS)

Here's what feels **offensive...**

Disclosure

My family lives in L.A. and my father has a serious disability (transplant, diabetes, more)

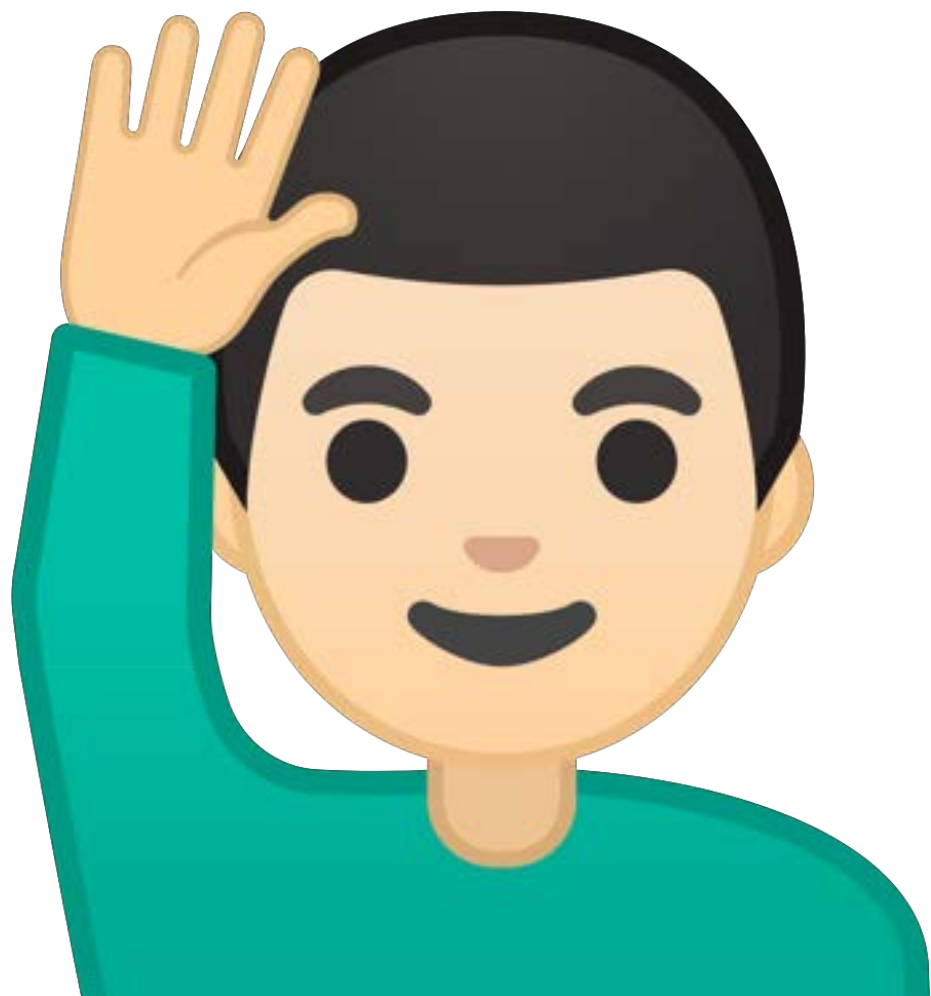
The Qualified Health Information Organization (QHIO) operating in Los Angeles County is **LANES (Los Angeles Network for Enhanced Services)**. Other QHIOs that may have a presence or serve the area include Cozeva, Health Gorilla, and Manifest MedEx, but LANES is the primary organization **focused specifically on Los Angeles County.** 

- **LANES (Los Angeles Network for Enhanced Services):** A nonprofit organization designated as a QHIO, it facilitates the exchange of health and behavioral health information for providers in Los Angeles County. Its mission is to improve patient care and outcomes by connecting physical and mental health providers.
- **Other QHIOs:** Other statewide QHIOs that may serve Los Angeles County providers include **Cozeva, Health Gorilla, and Manifest MedEx.** Providers can work with any QHIO to meet their data sharing obligations under the California Data Exchange Framework. 

We need to ask:
Why aren't Response
agencies using the tools
they already have?

A big, pervasive,
national question.

An **imperative** as
budgets shrink.





https://www.youtube.com/watch?v=DFJDX_AyzG8



https://www.youtube.com/watch?v=DFJDX_AyzG8



https://www.youtube.com/watch?v=DFJDX_AyzG8



https://www.youtube.com/watch?v=DFJDX_AyzG8

Health System Transformation Through EMS Data Integration

October 2025

Emergency Medical Services (EMS) data represents a critical, yet underutilized, resource with significant potential to transform public health surveillance, support the delivery of health and social services, and improve health outcomes. Investing in the integration of this near real-time data source will provide visibility into patient needs that remain hidden in traditional clinical settings, driving better care coordination, efficiency, and resource allocation.

The Data Gap: Unlocking Hidden Health Needs

EMS systems operate as a critical safety net service for individuals without insurance or those in communities with limited healthcare resources. EMS encounters provide a unique view of patients' living environments and health-related social needs (e.g., housing instability or lack of access to primary care).

In a way that's usable and also useful to the end user.

EMS encounters provide a unique view of patients' living environments and health-related social needs (e.g., housing instability or lack of access to primary care).



Health System Transformation Through EMS Data Integration

October 2025

Emergency Medical Services (EMS) data represents a critical, yet underutilized, resource with significant potential to transform public health surveillance, support the delivery of health and social services, and improve health outcomes. Investing in the integration of this near real-time data source will provide visibility into patient needs that remain hidden in traditional clinical settings, driving better care coordination, efficiency, and resource allocation.

The Data Gap: Unlocking Hidden Health Needs

EMS systems operate as a critical safety net service for individuals without insurance or those in communities with limited healthcare resources. EMS encounters provide a unique view of patients' living environments and health-related social needs (e.g., housing instability or lack of access to primary care).

In a way that's usable and also useful to the end user.

EMS encounters provide a unique view of patients' living environments and health-related social needs (e.g., housing instability or lack of access to primary care).

Okay, but...

The State of Michigan
already did this (more
than a year earlier).

Michigan Health Information Network Demonstrates Enhanced Care Coordination Among EMS & Hospitals

by MiHIN | Aug 6, 2024 | Announcements, News, Press Releases

For information, contact: August 6, 2024

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MICHIGAN HIE TARGETS DATA EXCHANGE SILOS IN EMERGENCY CARE

ANALYSIS | BY [ERIC WICKLUND](#) | AUGUST 22, 2024



TOPICS

[Care Continuum](#)

[Care Coordination](#)

A pilot project coordinated by the Michigan Health Information Network aims to help hospitals share critical patient data with EMS providers and ambulances.

FEATURE

How real-time health data exchange emergency care

Michigan Health Information Network has launched a pilot project that enables real-time health data exchange between emergency medical services and hospitals.



By [Hannah Nelson](#), Xtelligent/TechTarget

Published: 13 Dec 2024

healthcareitnews.com/news/hie-pilot-tackles-emergency-response-data-silos

HIE pilot tackles emergency response data silos

A prehospital health information exchange in Michigan that provides bidirectional interoperability will bridge ambulatory data gaps and enhance care coordination en route to the hospital and during post-discharge care transitions.

Global

Interoperability

By [Andrea Fox](#), Senior Editor | August 8, 2024 | 9:27 AM





Why rebuild it all **again?**

Why didn't experts **know?**

Is there *that much* **noise?**

A large, diverse group of people of various ages and ethnicities are smiling and posing for a group photo. In the foreground, a young person is sitting in a wheelchair, and a dog is visible on the right side. The background is a plain, light-colored wall.

This isn't limited to
Michigan.

It is **urgently relevant**
to NHCPC participants.





Emergency Preparedness

Disaster Registry



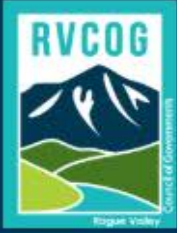
Jackson and Josephine Counties, Oregon

Would you need special help in an emergency?

You might want to apply to be in the Disaster Registry if “in the case of a flood, forest fire or other disaster” you or someone you care for would:

- Need outside help to safely leave your home during a disaster
- Be in jeopardy if you stayed in your home, without assistance, for three days;
- Need special notification about the need for evacuation, due to impairment.

The Disaster Registry provides the names and locations of people who need special assistance to fire, police, health, and rescue workers. Being on the Disaster Registry does not guarantee that you'll get help first in a disaster. There are so many needs during a disaster that our fire fighters and police can't help everyone at once. But if your name is in the Disaster Registry, they will know of your need for special assistance.



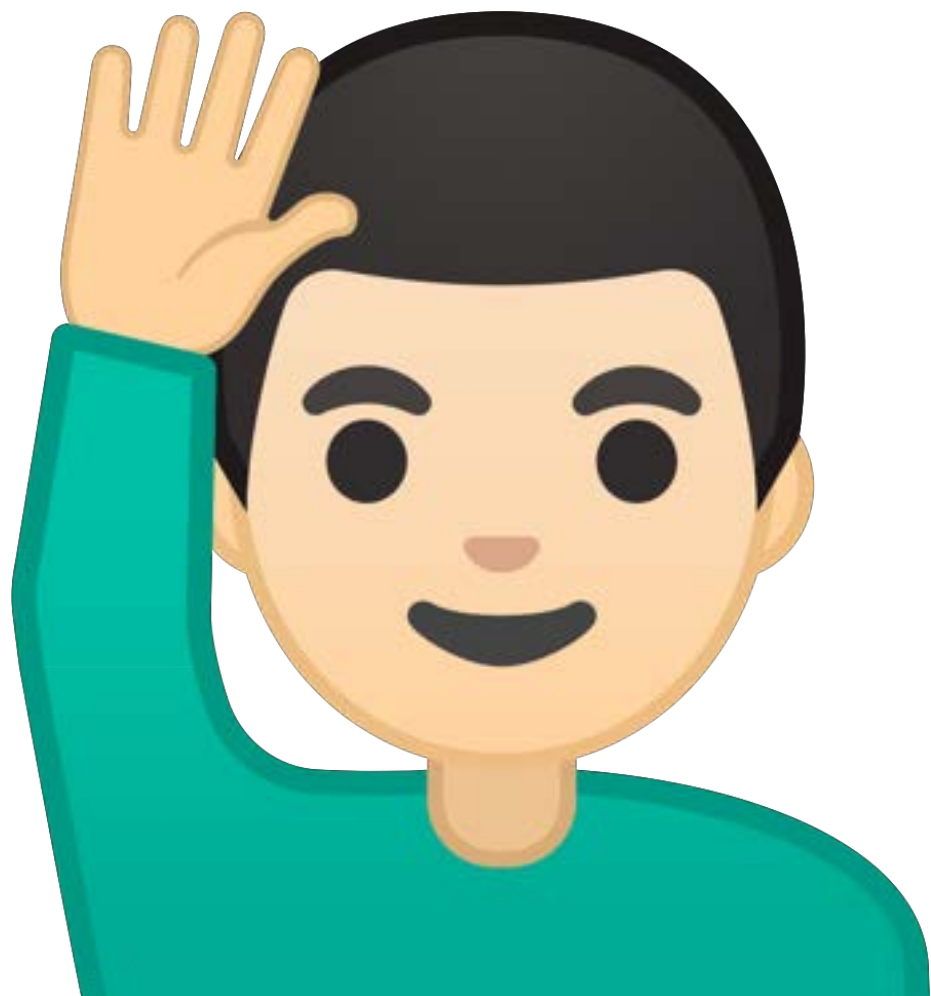
Emergency Preparedness

The Disaster Registry provides the names and locations of people who need special assistance to fire, police, health, and rescue workers. Being on the Disaster Registry does not guarantee that you'll get help first in a disaster. There are so many needs during a disaster that our fire fighters and police can't help everyone at once. But if your name is in the Disaster Registry, they will know of your need for special assistance.

Oregon
also has...

Why don't
they **all**
connect?





**Here's a terrible task as a
Responder during a disaster:**







**Here's a terrible task as a
Responder during a disaster:**

**FIND THE KID WITH CANCER,
WHO CANNOT RUN/ESCAPE
BECAUSE OF CHEMO MEDS.**

Not a theoretical Q.

Was the first topic raised
in 2024 by a family of a
SHNs child in Wash., DC

My inspiration.



Dawn Bailey **AMCHP**
ASSOCIATION OF MATERNAL & CHILD HEALTH PROGRAMS

President (2025-2026)
Arizona Department of Health Services
Family Engagement Specialist, Office of Children's Health/CYSHCN Program
Dawn.Bailey@azdhs.gov



My inspiration.



Kendall Marissa Bresocnik

October 30, 2012 - May 16, 2020



Mr. Bresocnik

The 2024-2025 school year will be my 23rd at CHS.

At 6'7", I have always been the tallest teacher at CHS.

I am the father of two beautiful girls.

"I run. I strum. I won."

- I run the Marine Corps. Marathon in Washington DC every year. I play guitar. I am part of the back-to-back Brain Bowl Championship winning team.

I absolutely love American History and I love to entertain people.

I collect military pictures of former students who have proudly served our country.

*I often wear a tie that corresponds to what we are learning in class or a historical event of that day, so keep an eye out!

Phone: (732) 541-8960 x4037

Email: ebresocnik@carteretschools.org

Degrees and Certifications:

B.S. Boston University, 2001
Governor's Educator of the Year, 2020-2021

My inspiration.

VALLEY

A Gilbert mom asked her son's school to honor his 'do not resuscitate order.' The school refuses to do so.

Susie Jackson's 17-year-old son, Rigo, was born with several medical conditions. His parents say they ultimately feel a 'DNR' is appropriate. The school disagrees.



<https://www.12news.com/article/news/local/valley/a-gilbert-mom-asked-her-sons-school-to-honor-his-do-not-resuscitate-order-senior-gilbert-public-school-district/75-4f59b673-a9d4-4a5a-954a-4bef6223f67f>

"...District personnel shall not comply with DNR Orders or other directives or requests that emergency life-sustaining care be withheld from a student in need of such care while the student is under the control and supervision of the District. Any such request should be made by the parent or guardian to the emergency response team at the 911 dispatch office or to the treating physician(s) and medical staff..."

-Gilbert Public Schools

DNR orders that emergency life sustaining care



"...The Arizona School Boards Association does not have a statewide policy specific to Do Not Resuscitate (DNR) orders in schools. Each district adopts its own policies, and while there are state statutes that outline parents' rights to make health care decisions for their minor children, including in education settings, there is no single statewide rule requiring school districts to follow or not follow DNR orders..."

-AZ School Boards Assoc.

care decisions for their minor children,



What is the risk to the patient,
the family, and the Responders
when a patient's needs/wishes
are unknown during a “normal”
health emergency.

What is the risk to the patient,
the family, and the Responders
when a patient's needs/wishes
are known but ignored during a
“normal” health emergency.

Now imagine what could happen
if you don't obey a patient's
wishes or needs
during a disaster...
when nothing is “normal.”

(It's not just an inconvenience.)

QUESTION:





QUESTION:

Where do patients with disabilities and special health needs go during a disaster?

ANSWER:

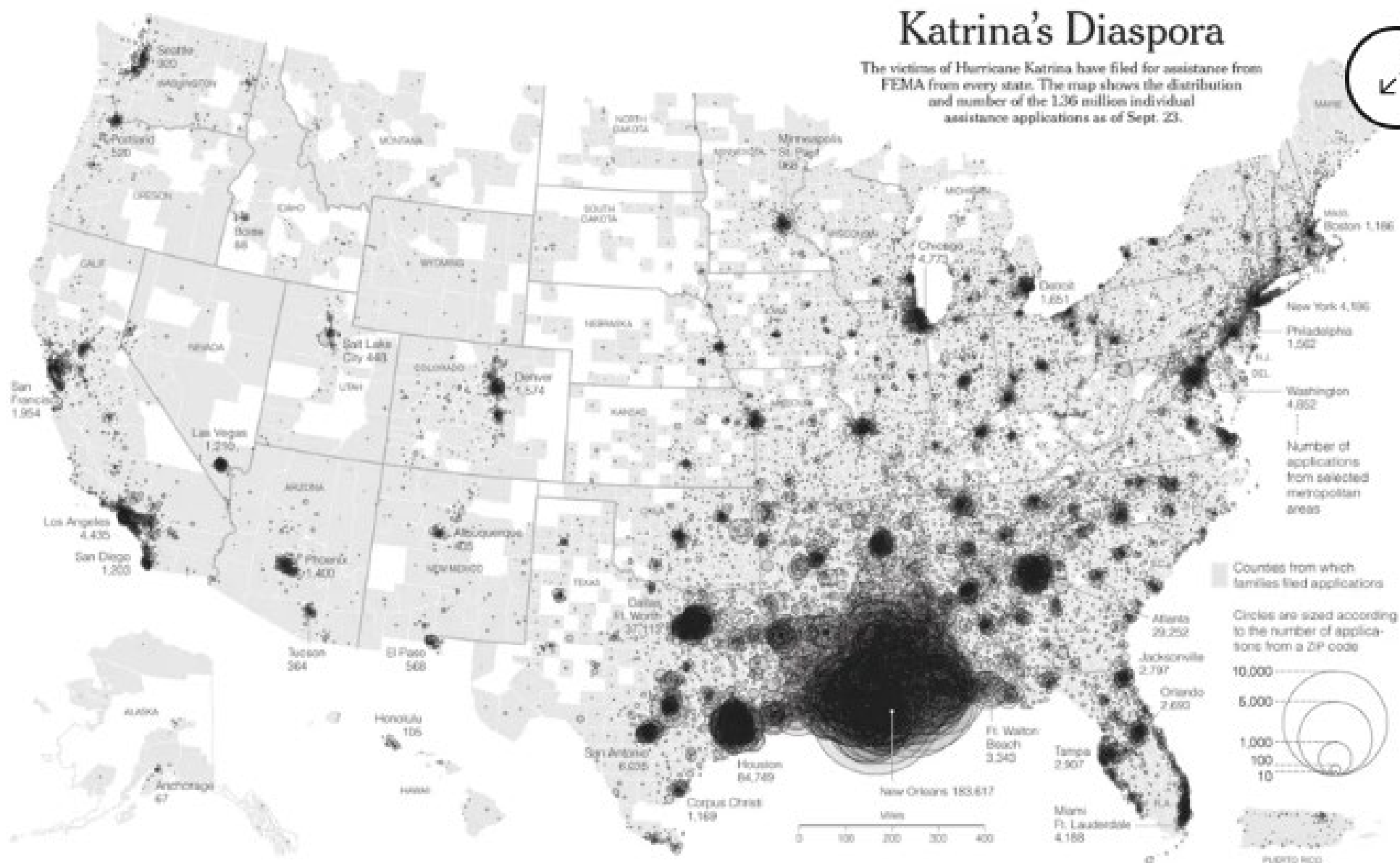


A large, diverse group of people of various ages and abilities are posed together for a group photo. In the front row, a young child wearing a blue helmet sits in a wheelchair, smiling. To their right, a woman sits in a wheelchair, and a golden retriever dog sits on the floor. The rest of the group, including men, women, and children of different ages, are standing or sitting behind them, all smiling. The background is a plain, light blue wall.

ANSWER:

Anywhere they can.

The New Orleans 'diaspora'



The New York Times, used by permission



**What if their data don't
go with them?**

The New Orleans 'diaspora'



In the hours before, during, and after the storm, New Orleanians evacuated to cities and towns all over the country. Sometimes they chose a destination in order to be with family or friends. Other times, FEMA sent them off to places unknown. “We have residents who were loaded onto buses bound for Memphis or Salt Lake City and only found out once they got there,” says Michelle Whetten, vice president of the affordable housing and community



The New York Times, used by permission

**Katrina birthed America's
first real, sustainable
EHR/health data standards:**

**“MEANINGFUL USE”
(2009 via the HITECH Act)**



New Orleans native and former city health commissioner Dr. Karen DeSalvo has been hired as Google Health's first chief health officer.

DeSalvo was New Orleans' health commissioner from 2011 to 2014 before serving as the national coordinator for health information technology and assistant secretary for health at the U.S. Department of Health and Human Services in the Obama administration. Prior to working for the city, she was a vice dean at Tulane University Medical School.

RECENT APPEARANCES



SEPTEMBER 20, 2017

Hurricane Preparation and the Elderly

The Senate Special Aging Committee held a hearing focusing on disaster planning and response to ensure the health and safety ...



SEPTEMBER 30, 2016

Cancer Prevention

Cancer researchers and public health experts talked about cancer prevention efforts, including campaigns to promote screening...



MAY 5, 2015

Improving Disease Treatment

Dr. Francis Collins was among the three witnesses who updated the Senate Health, Education, Labor and Pensions Committee on P...



MARCH 13, 2007

Post-Katrina Health Care

Witnesses testified about continuing concerns and immediate needs for health care in New Orleans since Hurricane Katrina.

Journal of Medical Systems

Editor-in-Chief: Allan F. Simpaio



Springer

Electronic Health Records and Preparedness: Lessons from Hurricanes Katrina and Harvey

Systems-Level Quality Improvement | Published: 19 September 2017

Volume 41, article number 173, (2017) [Cite this article](#)

Electronic Health Records and Preparedness: Lessons from Hurricanes Katrina and Harvey

The levees of New Orleans broke on August 29, 2005. The bayous of Houston crested on August 29, 2017. The resulting floods were catastrophic and deadly for each community. It's been a busy twelve years in America: three presidents have resided in the White House, Osama bin Laden was killed, gay marriage supported in the Supreme Court, and we've cured Hepatitis C, to name a few. While the lesson about climate change continues to fall on ears deafened by the whirs of the oil rigs, there was one significant mass casualty that was spared 2017 when compared to 2005: medical records. As far as casualties go, this one certainly lacks a certain heroism. Let us not forget however, that one million people were displaced in the aftermath of Hurricane Katrina, each of those a patient with a history. A patient, for example, on a fluctuating diuretic regimen dictated by a tenuous volume status, or one with drug resistant HIV now setting up shop in a new community, or a cancer patient who just completed cycle 2 of 5 of chemotherapy, arriving in your practice asking for help.

In the twelve years that separated Hurricane Katrina from Hurricane Harvey, the advances to the electronic health record (EHR) has been powerful, allowing for safe continuity of care in the face of catastrophe. A Houston clinic may now be underwater, but with patient interactive portals that allow patients to access their labs and medications remotely, a patient of that clinic has a better chance of seeing a new physician in a neighboring town and providing an accurate picture of his or her medical history.



**Considerations for
emergency planning
that includes people
with disabilities.**

Risks of Not Considering People with Disabilities in Emergency Planning

1. Individuals with mobility impairments may be unable to evacuate safely or at all.
2. People who are Deaf or hard of hearing may miss critical warnings or evacuation orders.
3. Individuals who are blind or have low vision may become disoriented without accessible guidance systems.
4. Communication breakdowns can lead to confusion, panic, or noncompliance with safety instructions.
5. Emergency shelters may be physically inaccessible, preventing safe refuge for people with disabilities.
6. Lack of accessible transportation can leave individuals stranded during evacuation.
7. Service animals may be denied entry, separating individuals from essential support.
8. Absence of power for medical devices may result in injury, health deterioration, or death.
9. Interrupted access to medications or medical treatments can cause preventable medical crises.

Risks of Not Considering People with Disabilities in Emergency Planning

10. Lack of trained responders can lead to unsafe transfers, injuries, or mishandling of mobility aids.
11. People with cognitive or intellectual disabilities may not understand complex emergency directions.
12. People with autism/sensory sensitivities may experience extreme distress in chaotic environments.
13. Emergency comms that are only verbal or visual exclude portions of the population entirely.
14. People dependent on caregivers may lose critical assistance if care continuity is not planned.
15. Unprepared shelters may violate ADA standards and expose agencies to legal and financial liability.
16. Isolation and lack of accessible information can cause psychological trauma and long-term fear of emergencies.
17. Excluding people with disabilities from planning leads to policies that don't reflect real-world needs.
18. Lack of assistive equipment replacements after disasters prolongs recovery and independence loss.

Risks of Not Considering People with Disabilities in Emergency Planning

19. Emergency responders may waste time improvising accessibility solutions during a crisis.
20. Public trust and confidence in emergency services may decline among disability communities.
21. Discriminatory practices or unintentional neglect can lead to civil rights violations and lawsuits.
22. People relying on ventilators, oxygen, or powered wheelchairs face life-threatening risks during outages.
23. Inaccessible recovery centers can prevent people with disabilities from applying for aid or benefits.
24. Families and caregivers may experience increased stress, burnout, or separation trauma.
25. Inadequate mental health support can lead to PTSD or worsening disability-related conditions.
26. Critical community networks may break down if organizations serving people with disabilities are not included.
27. People with temporary injuries (e.g., after the disaster) may face barriers they didn't anticipate.

Risks of Not Considering People with Disabilities in Emergency Planning

28. Inaccessible environments can delay response times for everyone, not just those with disabilities.
29. Uncoordinated responses increase mortality and morbidity among vulnerable populations.
30. Failure to document and track affected individuals can lead to people being lost or unaccounted for.
31. Reputational damage for agencies or jurisdictions seen as excluding or endangering disabled residents.
32. Recovery efforts may become inequitable, leaving people w/disabilities behind after others recover.
33. Financial costs rise when retroactive accommodations are needed instead of proactive planning.
34. Legal noncompliance can result in federal investigations, fines, or loss of emergency funding.
35. Missed opportunities for inclusive planning weaken community resilience overall.
36. The community's overall emergency readiness and response effectiveness are reduced.

Opportunities to Include People with Disabilities in Emergency Planning

1. Involve people with disabilities directly in emergency planning and exercises.
2. Partner with disability advocacy groups, caregivers, and service providers.
3. Ensure all plans comply with the Americans with Disabilities Act and relevant accessibility laws.
4. Provide emergency communications in multiple formats, including visual, auditory, tactile and plain language.
5. Ensure alerts, warnings, and instructions are accessible to people with hearing or vision disabilities.
6. Offer captioned videos and sign language interpretation for all emergency briefings or broadcasts.
7. Make emergency materials available in large print, Braille, and screen-reader-compatible formats.
8. Provide text alerts and other non-audio options for people who are Deaf or hard of hearing.
9. Include plain-language versions of emergency procedures and instructions.

Opportunities to Include People with Disabilities in Emergency Planning

10. Offer real-time communication support such as text-to-911, TTY, and video relay services.
11. Identify and maintain accessible evacuation routes, ramps, and exits.
12. Provide evacuation assistance devices such as evacuation chairs and lifts.
13. Ensure emergency transportation can accommodate wheelchairs, service animals, and mobility aids.
14. Train responders in proper transfer and handling techniques for people with mobility limitations.
15. Maintain a voluntary registry or list of individuals who may need evacuation or medical assistance.
16. Designate shelters that are physically accessible and compliant with ADA standards.
17. Ensure shelters have power sources for medical equipment and refrigeration for medications.
18. Provide quiet or low-sensory spaces in shelters for people w/ autism, PTSD or sensory sensitivities.

Opportunities to Include People with Disabilities in Emergency Planning

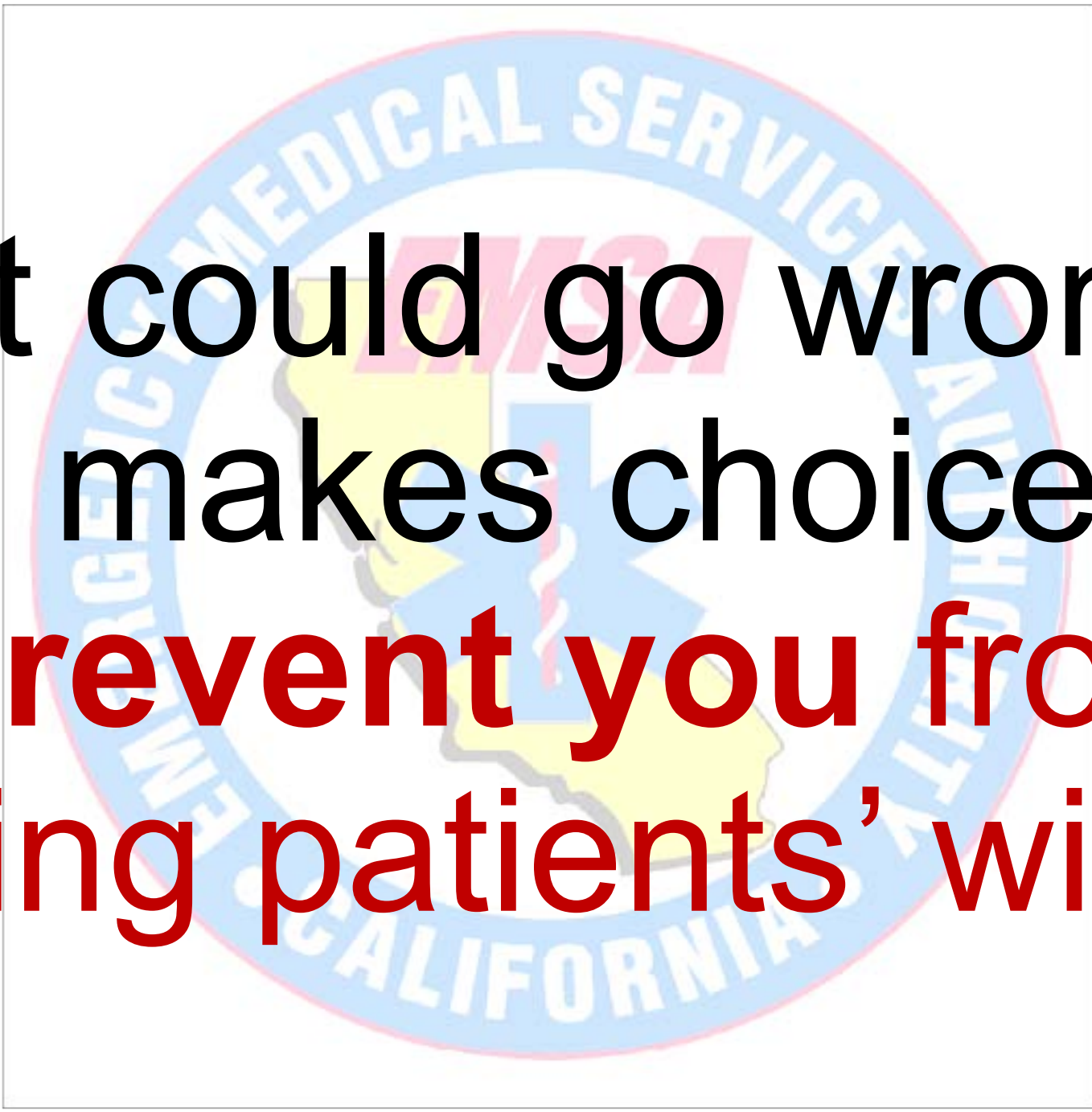
19. Allow service animals and personal care attendants to accompany individuals into shelters.
20. Ensure adaptive bedding, cots, and restrooms are available in shelter environments.
21. Plan for continuity of medical care, including dialysis, oxygen, and other life-sustaining treatments.
22. Provide backup power options for assistive or medical devices.
23. Provisions for maintaining access to medications, durable medical equipment, and mobility aids.
24. Coordinate with home health agencies and hospitals for ongoing care and patient tracking.
25. Train responders and volunteers on disability awareness, communication, and respectful interaction.
26. Conduct inclusive emergency drills that specifically test accessibility features and plans.
27. Encourage individuals with disabilities to create personal emergency plans and support networks.

Opportunities to Include People with Disabilities in Emergency Planning

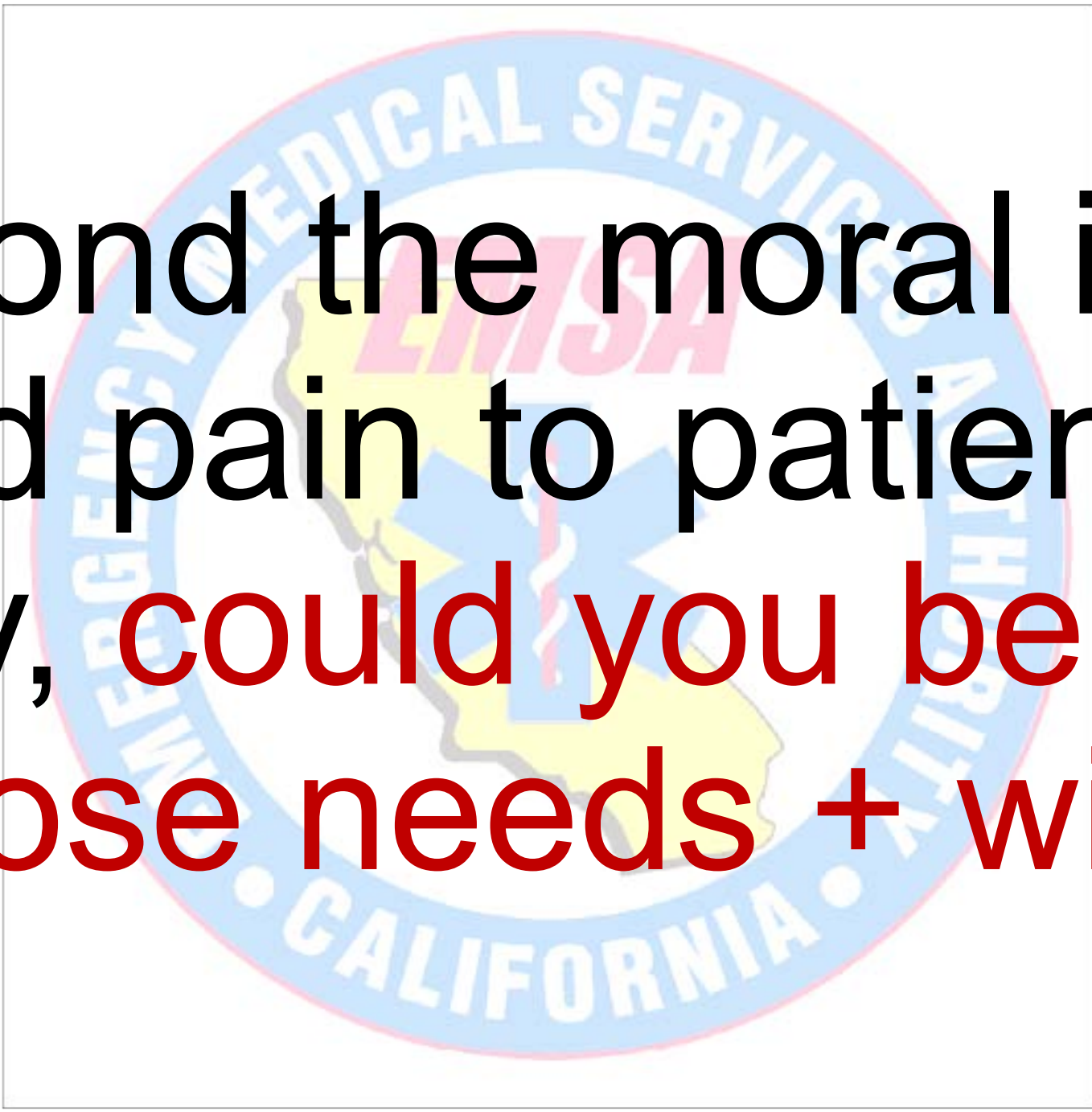
28. Promote buddy systems among neighbors, coworkers, or caregivers to assist during emergencies.
29. Ensure redundant communication systems that support both text and video communications.
30. Provide backup power, chargers, and generators at evacuation points and shelters.
31. Establish accessible disaster recovery centers for post-emergency assistance.
32. Replace lost or damaged assistive devices quickly after an emergency.
33. Provide mental health and trauma support specifically tailored for people with disabilities.
34. Include disability-focused case management in recovery and long-term support programs.
35. Ensure all emergency response actions uphold the dignity, autonomy, and privacy of individuals with disabilities.
36. Regularly review and update plans to reflect lessons learned and changing accessibility needs.



**Considerations for
emergency planning
that includes people
with disabilities.**



What could go wrong if a
state makes choices that
prevent you from
obeying patients' wishes?



Beyond the moral injury
and pain to patient or
family, **could you be liable**
for those needs + wishes?



Thank you! Let's chat the world (**a bit more**) together.

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BEYOND
LUCID



Disaster Networking Collaborative

Introduction to the Emergency Management Landscape

INTRODUCTION TO THE EMERGENCY MANAGEMENT LANDSCAPE

Purpose: The following information can be used by children's hospitals to increase awareness of the Emergency Management (EM) landscape and the external partners involved, thereby creating a space to integrate into the EM landscape by a “lead from behind” model where children's hospitals can aid local and regional efforts to develop training and resources for a pediatric focused disaster response.

Background: An Emergency Operations Plan can point the planning coordinator/emergency manager to applicable authorities, perceptions of risk in the community, members of the jurisdiction's emergency response organization, and mutual aid agreements with other jurisdictions.

A cohesive Emergency Operations Plan involves several crucial concepts: (FEMA 1996)

- Assigns responsibility to organizations and individuals for carrying out specific actions at projected times and places in an emergency that exceeds the capability or routine responsibility of any one agency, e.g., the fire department
- Sets forth lines of authority and organizational relationships and shows how all actions will be coordinated
- Identifies personnel, equipment, facilities, supplies, and other resources available — within the jurisdiction or by agreement with other jurisdictions — for use during response and recovery operations

Within the Robert T. Stafford Disaster Relief and Emergency Assistance Act, the elected leadership in each jurisdiction is legally responsible for ensuring that necessary and appropriate actions are taken to protect people and property from the consequences of emergencies and disasters.

There should be an existing Threat and Hazard Identification and Risk Assessment (THIRA) that focuses on infrastructure, high level threats, and most likely scenarios. Generally, a THIRA is conducted and maintained in the office of public health. The point of contact is the state Hospital Preparedness Program (HPP)'s director and/or state emergency management coordinator.

REGIONAL ORGANIZATIONS IN THE EM LANDSCAPE WITH WHOM TO PARTNER AND ENGAGE

Please note this list is not comprehensive. Each region and area could have additional organizations to consider.

Emergency Medical Services for Children (EMSC) State Partnership Programs:

The purpose of this program is to support demonstration projects for the expansion and improvement of emergency medical care for children. This program achieves these goals by 1) expanding the uptake of Pediatric Readiness Guidelines in emergency departments and emergency medical services (EMS) systems; 2) increasing pediatric disaster readiness by supporting the integration of pediatrics in hospital and prehospital disaster plans; 3) and prioritizing family partnership and leadership to improve EMSC systems of care. The details on this foundational initiative can be found at <https://emscimprovement.center/programs/partnerships/> and <https://www.hrsa.gov/grants/find-funding/HRSA-23-063>. The EMSC state programs are located in the state offices of EMS or accredited schools of medicine across the majority of states, territories, and freely associated states. While there are overarching priorities, each State Partnership Program has individualized areas of focus, staff support, and an advisory committee that includes a pediatrician.

Hospital Preparedness Program (HPP): Provides leadership and funding through cooperative agreements to states, territories, and eligible major metropolitan areas to increase the ability of HPP funding recipients to plan for and respond to large-scale emergencies and disasters. HPP is the primary source of federal funding (through the Administration for Strategic Preparedness and Response or ASPR) for health care system preparedness and response and, in collaboration with state and local health departments, prepares health care delivery systems to save lives through the development of health care coalitions (HCCs). The HCCs offer the following:

- Sharing strategies for contingencies
- Just in time training modules
- Crisis Standards of Care
- Surge capacity
- Deployment of staff and supplies
 - Disaster Medical Assistance Teams (DMAT)
 - Supply depots/trailers around the state
 - Chemical, Biological, Radiological and Nuclear (CBRN) training and materials

Healthcare Coalition: Healthcare coalitions play a critical role in providing and linking healthcare and public health preparedness and response capabilities. HCCs are groups of individual healthcare and response organizations in a defined geographic location that serve as multi-agency coordinating groups to support and integrate with public health and medical services activities. HCCs include four core members: hospitals, EMS, EM organizations, and public health agencies. The Indian Health Service and local tribal councils should be involved in planning and outreach. HCCs serve as communication hubs for participating

entities and coordinate the sharing of resources, policy, and practices both prior to and during an event. HCCs can be led by local health departments or share responsibility with healthcare and emergency management agencies.

ASPR Pediatric Disaster Care Centers of Excellence: Through cooperative agreements, three centers were established to improve disaster response capabilities for children in the U.S. For additional information, see Region V for Kids, Western Regional Alliance for Pediatric Emergency Management, and Gulf-7 Pediatric Disaster Network at <https://emscimprovement.center/domains/preparedness/asprcoe/>.

Public Health Emergency Preparedness (PHEP): Through a cooperative agreement with the Centers for Disease Control and Prevention, provides critical funding for state, local, and territorial public health departments. Since 2002, PHEP has aided public health departments across the nation to build and strengthen their abilities to effectively respond to a range of public health threats, including infectious diseases, natural disasters, and biological, chemical, nuclear, and radiological events. Preparedness activities funded by the PHEP cooperative agreement specifically target the development of emergency-ready public health departments that are flexible and adaptable.

Intersystem Coordination-Hospital Systems: Large hospital organizations are nimbler and often have greater local understanding than federal government response. They can coordinate transfer centers, chief nursing and medical officer meetings, load leveling to share higher and lower acuity patients among different hospitals within the same network, and perform large scale drills and exercises.

State Emergency Manager Programs: It is necessary for pediatric providers to have a seat at state meetings to advocate for pediatric specific needs and response measures.

Local Emergency Planning Committee: Local Emergency Planning Committees (LEPCs) must develop an emergency response plan, review the plan at least annually, and provide information about chemicals in the community to citizens. Plans are developed by LEPCs with stakeholder participation. There is one LEPC for each of the more than 3,000 designated local emergency planning districts. The LEPC membership must include (at a minimum):

- Elected state and local officials
- Police, fire, civil defense, and public health professionals
- Environment, transportation, and hospital officials
- Facility representatives
- Representatives from community groups and the media

Community-based Organizations

Examples include, but are not limited to:

- Medical Reserve Corps
- Red Cross
- Salvation Army
- Faith-based groups
- Educational leaders/school districts and related personnel

GROWING YOUR INFLUENCE IN THE EMERGENCY MANAGEMENT LANDSCAPE

The illustration below can be used to guide your hospital's disaster management team or experts to engage with the EM landscape and promote leadership roles in pediatric preparedness.





pedspandemicnetwork.org/disaster-networking-collaborative



Publish Date: July, 2023

The Pediatric Pandemic Network is supported in part by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) as part of cooperative agreements U11MC43532 and U11MC45814 with 0 percent financed with nongovernmental sources. The content presented here is that of the authors and does not necessarily represent the official views of, nor an endorsement by HRSA, HHS, or the U.S. Government. For more information, visit [HRSA.gov](https://www.hrsa.gov).



DISASTER NETWORKING COLLABORATIVE LETTER OF COMMITMENT

Children's Hospital Site Name:

We are pleased to join the Disaster Networking Collaborative (DNC), an initiative of the Pediatric Pandemic Network (PPN). The DNC is the first step in supporting children's hospitals to improve pediatric disaster preparedness in their region. Through the DNC our hospital recognizes the value pediatric disaster preparedness brings to the institution, helps to promote more standardization of a disaster care team infrastructure, and identifies efforts to enhance community and regional engagement.

We understand that:

- The DNC was designed to help children's hospitals improve pediatric disaster preparedness primarily through project work on one or more focus areas including:
 - C-suite engagement and support for pediatric preparedness planning and infrastructure
 - Consistency across recommended pediatric disaster roles and responsibilities
 - Community engagement planning and outreach, primarily within emergency management
- This collaboration will offer opportunities to adopt best practices to enhance/build our organization's pediatric disaster preparedness and optimize collaboration with regional entities.
- Once enrolled, our team will have access to materials and activities including learning sessions, testimonials from leaders, and access to national disaster preparedness experts.
- Should the designated team leader for the collaborative be unable to complete the commitment to the initiative, another leader will be identified within one month to continue project activities.
- **There is no cost to participate in this collaborative.**

Roles and responsibilities of the DNC Team Leader:

- The team leader for our site will help complete an environmental scan, engage in monthly learning sessions and networking activities via Zoom (or ensure additional team participants join in these efforts). Maintain a comprehensive team roster, share updates, and meet with team members.
- Add Name has agreed to serve as the DNC Team Leader for the site listed above.
- Participation in the DNC is scheduled to occur from September 2023 through June 2024.

| | | |
|----------------------------------|------------|-------|
| Hospital Executive Leader Name: | Signature: | Date: |
| Hospital Executive Leader Title: | | |
| Designated Team Leader Name: | Signature: | Date |
| Designated Team Leader Title: | | |

Evacuation Manager/Charge Nurse Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|--|
| | | | Retrieve the Charge Nurse NICU Evacuation Box |
| | | | Distribute the following to the appropriate individuals: <ul style="list-style-type: none"> All Job Action Cards All HICS Forms (214, 255, and 260) |
| | | | Use HICS Form 214 – Operational Log for documenting your actions (i.e. – communications, moving patients, etc.) |
| | | | Direct Unit Secretary to notify NICU Manager on duty of emergency |
| | | | Give HICS Form 255 – Master Patient Evacuation Tracking Form to Unit Secretary. Instruct to follow the steps listed on Unit Secretary Job Action Card. |
| | | | Obtain 2-way radio from Unit Secretary. Use for communication with the NICU Incident Command Center if other modes (phones) are not available |
| | | | Fill out the Departmental Disaster Report and relay information to the NICU Incident Command Center |
| | | | Assign an area/pod leader to each area. Provide Job Action Cards (Pod Team Leader & RN), HICS Form 260 – Patient Evacuation Tracking Forms, and 2-way radio |
| | | | Consult with the Neonatologist(s) to review patients and determine order of potential evacuation based on TRAIN level of acuity and nature of event. DO NOT EVACUATE WITHOUT ORDER AND GUIDANCE TO DO SO FROM HOSPITAL OR NICU INCIDENT COMMAND |
| | | | Direct Labor Pool/Ancillary helps to assist Area/Pod Leaders in gathering and carrying supplies |
| | | | Supervise evacuation of areas/pods |
| | | | If ordered to evacuate, bring Master Evacuation Tracking Form and all documentation to NICU Incident Command and/or evacuation areas |

Area/Pod Team Leader (RN) Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|--|
| | | | Handoff assigned patients to other pod RN(s) |
| | | | Assist bedside nurses in completing their job cards: <ul style="list-style-type: none"> • Affix ID bands to patient limb • Place patient label on infant's back (skin), secure with transparent dressing, and place additional patient labels on the inside waistband of diaper and inside of hat for identification in case ID band comes off • Ensure all infants are wearing hats and wrapped in blankets • Disconnect tubes/wires (if necessary) • Saline lock peripheral IVs and heparin locking central lines • Disconnect chest tubes from suction if ordered to evacuate |
| | | | Designate each patient with triage level <ul style="list-style-type: none"> • Obtain NICU charge nurse report sheet – triage levels are updated every shift • Obtain triage level colored adhesive dots from unit secretary • Affix dot to patient specific tracking HICS Form 260 |
| | | | Ensure HICS Form 260 – Patient Evacuation Tracking Form is filled out for each patient. A copy stays with the patient and a copy for each patient is given to the Unit Secretary |
| | | | Provide updates regarding the area's progress/status to the Charge Nurse and/or NICU Incident Command |
| | | | Keep bedside nurses in the area updated with information from charge nurse and/or NICU Incident Command |
| | | | Direct Labor Pool/Ancillary helpers assigned to your area to gather supplies for evacuation |
| | | | Supervise evacuation of area/pod in coordination with Evacuation Manager/Charge Nurse |
| | | | Provide a detailed briefing to Evacuation Manager |

Bedside Nurse (RN) Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|---|
| | | | Prepare infants by ensuring an ID band is attached to limb |
| | | | Place a patient label directly on each infant's back (skin) and secure with transparent dressing |
| | | | Place an identifying patient label on inside waistband of diaper |
| | | | Secure a patient label to infant hat with tape and place on infant |
| | | | Wrap patients in blankets |
| | | | <p>Gather only necessary supplies:</p> <ul style="list-style-type: none"> • Evacuation boxes • Patient folder/chart with patient labels • Patient medications • Bedside stethoscope • Bulb syringe • Prepared formula or breastmilk <p>Supplies should be packed in patient belonging bags with a patient label attached and can be carried or packed in bottom compartment of Med-evac basket.</p> |
| | | | Fill out HICS Form 260 – Patient Evacuation Tracking Form for each patient. A copy must stay with the patient at all times. |
| | | | <p>If ordered to evacuate by Incident Command:</p> <ul style="list-style-type: none"> • Disconnect as many tubes and wires as possible • Saline lock all peripheral IVs • Heparin lock all central lines • Disconnect chest tubes from suction |

Physician/APN Leaders (Attending, Fellow, APN Resource)

| Date | Time | Initials | Task |
|------|------|----------|---|
| | | | On-Call Attending, Medical Control Fellow, & APN Resource collaborate with Evacuation Manager/Charge Nurse to allocate provider resources for evacuation of most critical patients. |
| | | | Assist in preparing patients for potential evacuation. <i>DO NOT EVACUATE WITHOUT ORDER AND GUIDANCE FROM HOSPITAL OR NICU INCIDENT COMMAND</i> |
| | | | Collaborate with Evacuation Manager/Charge Nurse in assigning a practitioner to evacuation areas/sites with the first infants and act as coordinator |
| | | | Assist with stabilization and transport of the sickest infants |
| | | | Delegate providers to call sign out for patients transferred to other facilities. |

Providers (APNs, Residents) Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|---|
| | | | Assist in preparing patients for potential evacuation. <i>DO NOT EVACUATE WITHOUT ORDER AND GUIDANCE TO DO SO FROM HOSPITAL OR NICU INCIDENT COMMAND</i> |
| | | | Collaborate with physician/APN leaders in assigning a practitioner to evacuation areas/sites with the first infants |
| | | | Assist with stabilization and transport of the sickest infants |
| | | | Call sign out for patients transferred to other facilities as directed by physician/APN leaders |

Unit Secretary Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|---|
| | | | Remain stationed at the desk as long as possible to facilitate communications |
| | | | Obtain HICS Form 255 – Master Patient Evacuation Tracking Form from the Evacuation Manager/Charge Nurse. <ul style="list-style-type: none"> • Complete by placing patient labels on each line or fill out by hand with patient names. • Send copies to the NICU Incident Command Center electronically or via runner once completed |
| | | | Receive HICS Form 260 – Patient Evacuation Tracking form from Area/Pod Leaders. Send copies to the NICU Incident Command |
| | | | Prepare for evacuation by gather the following: <ul style="list-style-type: none"> • Telephone list • Updated census sheet • Patient labels • All evacuation related documentation • Patient Movement Clipboard |
| | | | Act as scribe for forms as directed by Evacuation Manager/Charge Nurse or Area/Pod Leaders |

Respiratory Therapist Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|--|
| | | | Assist with infants on respiratory support |
| | | | Gather/organize E-cylinders and H-cylinders along with regulators to be used during and after evacuation |
| | | | Gather intubation boxes, available ventilators and CPAP machines to be used at the evacuation areas/alternate care site locations after evacuation |
| | | | If ordered by hospital or NICU Incident Command or Fire Department Chief, shut off gas valves to the NICU (if not already completed) |
| | | | Assist in transport of infants on respiratory support |
| | | | Provide respiratory support at evacuation areas |

Family/Caregiver Job Action Card

| Date | Time | Initials | Task |
|--|------|----------|--|
| Please stay in your baby's room and put your visitor badge on. | | | |
| | | | Gather any personal, essential belongings. |
| | | | Assist the nurse with preparing baby for evacuation. |
| | | | Place the patient sticker given by the RN on your visitor badge. |
| Wait for next steps from the bedside staff – please do not leave without instruction. | | | |

Labor Pool/Ancillary Staff Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|---|
| | | | Report to the Evacuation Manager/Charge Nurse to receive instructions |
| | | | Assist Charge Nurse, Area/Pod Leaders, bedside nurses and/or unit secretaries in gathering and carrying supplies, as needed |
| | | | Give special attention to maintaining clear hallways and mobilization of equipment and supplies needed for the evacuation |
| | | | Carry disaster equipment, patient charts, and other supplies to evacuation areas/sites |
| | | | Assist with use of evacuation devices (just in time training materials are provided with equipment) |

Milk Room Job Action Card

| Date | Time | Initials | Task |
|--|------|----------|---|
| | | | Report to the Evacuation Manager/Charge Nurse to receive instructions |
| If instructed by Evacuation Manager/Charge Nurse to Assist with Milk Evacuation, follow these steps: | | | |
| | | | Ensure that all bins are labeled with updated patient identifier |
| | | | Load breast milk, donor milk and Prolacta onto carts in labeled individual patient bins. <ul style="list-style-type: none"> • If coolers are available, place refrigerated milk in cooler. • Do not mix refrigerated and frozen milk in a cooler. |
| | | | Transport breast milk, donor milk and Prolacta in individual labeled bins to evacuation areas/sites |
| | | | Assist with use of evacuation devices (just in time training materials are provided with equipment) |

NICU Triage Levels for Evacuation Planning Daily Patient Census

- ✓ Triage each shift
- ✓ Include special medications/equipment
- ✓ Label Equipment

| Wednesday, October 9, 2024 | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|---|--|--|---|--|--|--|---|--|--|--|--|--|--|--|
| Yellow 17 Barb Collier 314-393-1057 Marlene Metzler 314-393-6442 Rph: B. Zeller 314-738-427116 | | Blue 18 Carly Schurtz 314-393-0094 No Fellow RPh: B. Zeller 314-738-4271 | | Green 19 Lita Nolan 314-393-0654 Amy Hammen 314-393-6313 Rph: C. Livinskie 314-732-4231 | | Red 20 Hayley Friedman 314-393-6700 No Fellow RPh: C. Livinskie 314-732-4231 | | Orange 19 Luke Vohl 314-393-3873 Jens Kils 314-393-6557 RPh: C. Livinskie | | Purple 19 Gillian Pet 314-296-0742 Kelly Meyer 314-203-3370 RphB. Zeller 314-738-4271 | | Pink 21 Elisabeth Cole 314-686-2209 Alyson Schreiber 314-393-6366 Rph: C. Livinskie 314-732-4231 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| S400E Aggravation, Mylo BCPAP 6 PIV NPO Rep- LIS Q12 XR | | | | | S400 FP Alchemy, GirlWanda OG/1h PIV Abx Intubated | | | | | NRP Azkend, GirlWanda**MRSA RA PO/NG | | | | | | | | | |
| NRP Babel, Sam 6L Opti NG/1h moved x3 S400 FP Bicycle, Charlie RA NG ECHO-Cardiomegaly moved x4 | | | | | S400E Bejeweled, Alex 1L PO (30mlQ3)/NG/1h Gabap L Reservoir/VP Shunt 10/2-laser | | | | | NRP Atari, Mylo 1L NG/1h | | | | | | | | | |
| Negative Pressure Rooms: 513, 524, 5103, 5108, 5113 5403, 5421, 5430, 5432 | | | | | | | | | | | | | | | | | | | |
| Legend: Triage Levels for Evacuation Planning: RA/NC, PIV, open crib Resp. support >NC, Central line, Isolette/Open Vent, Chest Tube, Drips, Cont. PD Osc, iNO, Cooling, ECMO/AKRT | | | | | | | | | | Legend: RA/NC, PIV, open crib Resp. support > NC, central line, isolette/table Vent, chest tube, drips, continuous PD Oscillator, iNO, cooling, ECMO/AKRT | | | | | | | | | |

10/21/2025 MO Pediatric View Snapshot

| St. Louis Hospital ED | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|---|-------------------------|---------------------------|------------------------|----------------------------------|-------------------------|-------------------------|--------------------|-----------------------|
| BARNES - JEWISH HOSPITAL --L-1 | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | | |
| Barnes - Jewish St. Peters Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Barnes - Jewish West County Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Christian Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | N/A | No | | |
| Homer G. Phillips Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Mercy Hospital Jefferson | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Mercy Hospital Lincoln | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Mercy Hospital South---L-II | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | 12 | Level 2 Trauma Center |
| Mercy Hospital St. Louis---L-1 | Trauma Center / Burn | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | Yes | 121 | |
| Mercy Hospital Washington---L-III | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | | Level 3 Trauma Center |
| Missouri Baptist Medical Center | Emergency Care Capable | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | No | 25 | |
| Northwest Health Care | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Parkland Health Center - Bonne Terre | Emergency Care Capable | N/A | N/A | N/A | Pediatric Capable | No | | |
| Parkland Health Center - Farmington | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Pike County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Progress West Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | 9 | |
| SSM Cardinal Glennon Children's Hosp L-1 | Pediatric Trauma Center | Emergency Care Only | Emergency Care Only | Level 4 NICU | Designated Peds Beds | Yes | 65 | |
| SSM DePaul Hospital-St. Louis | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Emergency Care Only | No | | |
| SSM Health Saint Louis Univ. Hosp. L-1 | Trauma Center | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| SSM St. Clare Hospital- St. Louis | Emergency Care Capable | Level 2 Specialty Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| SSM St. Joseph Hospital- St. Charles | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | 0 | |
| SSM St. Joseph Hospital- Wentzville | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Emergency Care Only | No | | |
| SSM St. Mary's Hospital-St. Louis | Emergency Care Capable | Emergency Care Only | Emergency Care Only | Level 3 NICU | Pediatric Capable | No | 42 | |
| SSM St.Joseph Hospital-LakeSt.Louis-L-III | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | | Level 3 Trauma Center |
| St. Louis Children's Hospital L-1 | Pediatric Trauma Center | Emergency Care Only | Level 1 Well Nursery | Level 4 NICU | Designated Peds Beds | Yes | 150 | |
| St. Luke's Hospital | Emergency Care Capable | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | 12 | |
| VA St. Louis Health Care System | Emergency Care Capable | N/A | N/A | N/A | N/A | No | | |
| Washington County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |

6/17/2025 MO Pediatric View Snapshot

| KC Hospital ED | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|---|-------------------------|---------------------------|------------------------|----------------------------------|-------------------------|-------------------------|--------------------|---|
| AdventHealth College Boulevard (KS) | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| AdventHealth Lenexa (Prairie Star) (KS) | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| AdventHealth Shawnee Mission (KS) | Emergency Care Capable | Level 4 Perinatal Care | Level 1 Well Nursery | Level 3 NICU | Pediatric Capable | No | | |
| AdventHealth South Overland Park (KS) | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Belton Regional Medical Center - TC | Trauma Center | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | Level 3 Trauma Center |
| Cass Regional Medical Center - TC | Trauma Center | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | Level 3 Trauma Center |
| Centerpoint Medical Center - TC | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | 12 | Level 2 Trauma Center |
| Children's Mercy Hospital - TC | Pediatric Trauma Center | Level 4 Perinatal Care | Emergency Care Only | Level 4 NICU | Designated Peds Beds | Yes | 87 | Level 1 Pediatric Trauma Center/ACS Certified Pediatric Surgery Center Fetal Surgery Center Level 4 NICU/ CMH does not do normal deliveries only delivery of high risk infants ECMO ECMO/ACS Certified in Pediatric Surgery/Transplant and Dialysis |
| Children's Mercy Kansas | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Designated Peds Beds | No | | Pediatric Emergency Dept |
| Excelsior Springs Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Kansas City VA Medical Center | Emergency Care Capable | N/A | N/A | N/A | N/A | No | | n/a |
| Leavenworth VA Medical Center | | | | | | | | |
| Lee's Summit Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Liberty Hospital - TC | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | 4 | Level 2 Trauma Center |
| Menorah Medical Center | Emergency Care Capable | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | | |
| North Kansas City Hospital - TC | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | 18 | Level 2 Trauma Center |
| Olathe Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| OPR - ER of Olathe | | | | | | | | |
| OPR - ER of Shawnee | | | | | | | | |
| OPR - Pediatric ER of Overland Park | | | | | | | | |
| Overland Park Regional Med Ctr - TC | Trauma Center | Level 4 Perinatal Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | Yes | | Level 2 Trauma Center |
| Providence Medical Center | Emergency Care Capable | Emergency Care Only | N/A | N/A | Emergency Care Only | No | | |
| Research Medical Center - TC | Trauma Center | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Pediatric Capable | Yes | 19 | |
| RMC-Brookside Campus | Emergency Care Capable | N/A | N/A | N/A | Emergency Care Only | No | | |
| Saint John Hospital (KS) | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Saint Joseph Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Saint Luke's Community Hospital Leawood | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Saint Luke's Community Hospital Legends | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Saint Luke's Community Hospital Roeland | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Saint Luke's East Hospital | Emergency Care Capable | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | 18 | |
| Saint Luke's Hospital - TC | Trauma Center | Level 4 Perinatal Care | Level 1 Well Nursery | Level 4 NICU | Pediatric Capable | No | | |
| Saint Luke's North Hospital Barry Rd. | Emergency Care Capable | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | | |
| Saint Luke's South Hospital (Ks) | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | 49 | |
| St. Mary's Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| The University of Kansas Health System 39th & Rainbow Campus - TC | Trauma Center | Level 4 Perinatal Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | Yes | | Level 1 Trauma Center |
| University Health Lakewood Medical Ctr | Emergency Care Capable | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | 5 | |
| University Health TMC -TC | Trauma Center | Level 4 Perinatal Care | Level 1 Well Nursery | Level 3 NICU | Emergency Care Only | No | 29 | |

6/17/2025 MO Pediatric View Snapshot

| KC Northern District | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|-----------------------------------|------------------------|---------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|------------------------------|
| Carroll County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Fitzgibbon Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | Med Surg only; no PCU or ICU |
| Lafayette Regional Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Ray County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |

6/17/2025 MO Pediatric View Snapshot

| KC Southern District | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|-----------------------------------|------------------------|------------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|-----------------------|
| Bates County Memorial | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Bothwell Regional Health Center | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | 4 | |
| Golden Valley Memorial Healthcare | N/A | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Western Missouri Medical Center | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | | Level 3 Trauma Center |

6/17/2025 MO Pediatric View Snapshot

| Region B Hospitals | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|--|------------------------|---------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|---|
| Hannibal Regional Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Moberly Regional Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | Level III Stroke Center No specialty care for neonates is provided at MRMC. |
| Northeast Regional Medical Center---LIII | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | Level 3 Trauma Center |
| Pershing Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Putnam County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Samaritan Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Scotland County Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Sullivan County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |

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| Region D Hospitals | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|-----------------------------------|------------------------|---------------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|-----------------------|
| Cedar County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Citizens Memorial Hospital---LIII | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Cox Barton County Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Cox Medical Center Branson | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | | |
| Cox Monett | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Cox North | N/A | N/A | N/A | N/A | N/A | No | | |
| Cox South---LI | Trauma Center | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | Yes | 34 | |
| Ellett Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Freeman Neosho Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Freeman West | Trauma Center | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | No | 24 | Level 2 Trauma Center |
| Mercy Hospital Aurora | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Mercy Hospital Carthage | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Mercy Hospital Cassville | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Mercy Hospital Joplin | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | Yes | 16 | Level 2 Trauma Center |
| Mercy Hospital Springfield---LI | Trauma Center | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | Yes | 63 | |
| Nevada Regional Medical Center | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | | |

6/17/2025 MO Pediatric View Snapshot

| Region E Hospitals | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|---|------------------------|---------------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|--------------------------------------|
| Iron County Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| John J. Pershing VA Medical Center | N/A | N/A | N/A | N/A | N/A | No | | |
| Madison Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Mercy Hospital Perry | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Emergency Care Only | No | | |
| Mercy Hospital Southeast | Emergency Care Capable | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | 15 | |
| Mercy Hospital Stoddard | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | NO Neonatal Specialty Care Available |
| Missouri Delta Medical Center | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | Level 2 | Pediatric Capable | No | | |
| Pemiscot Memorial Health Systems | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Poplar Bluff Regional Medical Center | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | | |
| Saint Francis Medical Center---LIII | Trauma Center | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Emergency Care Only | No | 36 | Level 3 Trauma Center |
| Ste. Genevieve County Memorial Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Emergency Care Only | No | | |

6/17/2025 MO Pediatric View Snapshot

| Region F Hospitals | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|--|------------------------|---------------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|---|
| Boone Hospital Center | Emergency Care Capable | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | No | 21 | |
| Capital Region Medical Center (MUHC) | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Emergency Care Only | No | | |
| Harry S Truman Memorial Veterans Hospita | Emergency Care Capable | N/A | N/A | N/A | N/A | No | | |
| Hermann Area District Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Lake Regional Health System---LIII | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | Level 3 Trauma Center |
| SSM Health St. Mary's - Jefferson City | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| University Hospital (MUHC)--LI | Trauma Center | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Pediatric Capable | Yes | | WH Birthing Center relocated to UH campus WH Birthing Center relocated to UH campus WH Birthing Center relocated to UH campus |

6/17/2025 MO Pediatric View Snapshot

| Region G Hospitals | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|--------------------------------|------------------------|---------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|---------|
| Mercy St. Francis Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Ozarks Healthcare | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Texas County Memorial Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |

6/17/2025 MO Pediatric View Snapshot

| Region H Hospitals | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|---------------------------------------|------------------------|------------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|-----------------------|
| Cameron Regional Medical Center, Inc. | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Community Hospital - Fairfax | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | | |
| HARRISON COUNTY COMMUNITY HOSPITAL | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Hedrick Medical Center | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | NA |
| Mosaic Life Care Medical Center---LII | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | | Level 2 Trauma Center |
| Mosaic Medical Center - Albany | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Mosaic Medical Center - Maryville | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Wright Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |

6/17/2025 MO Pediatric View Snapshot

| Region I Hospitals | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|---|------------------------|---------------------|---------------------------|-------------------------------------|----------------------------|-------------------------------|-----------------------|---------|
| General Leonard Wood Army and Comm Hosp | | | | | | | | |
| Mercy Hospital Lebanon | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Designated Peds Beds | No | | |
| Missouri Baptist Sullivan Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Phelps Health | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | | |
| Salem Memorial District Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |

6/2025 Neonatology Resources

| ARKANSAS | Neonatal Specialty Level of Care | Licensed NICU Beds | Comment |
|---|-------------------------------------|-----------------------|-------------------------------------|
| Arkansas Children's Hospital | Level 4 NICU | 104 | Children's Hospital |
| Baptist Health Medical Center | Level 3 NICU | 65 | Community Hospital - Non-Children's |
| Mercy Hospital Fort Smith | Level 3 NICU | 29 | Community Hospital - Non-Children's |
| Mercy Hospital Northwest Arkansas | Level 3 NICU | 10 | Community Hospital - Non-Children's |
| St. Bernard's Medical Center | Level 3 NICU | 12 | Community Hospital - Non-Children's |
| University of Arkansas Medical Services | Level 3 NICU | 64 | Academic - Non-Children's |
| Washington Regional Medical Center | Level 3 NICU | 34 | Community Hospital - Non-Children's |
| Willow Creek Women's Hospital | Level 3 NICU | 24 | Community Hospital - Non-Children's |
| Baptist Health Fort Smith | Level 2 NICU | 0 | Partners with Arkansas Children's |
| Baxter Regional Medical Center | Level 2 NICU | 10 | Community Hospital - Non-Children's |
| CHI St. Vincent | Level 2 NICU | 0 | Partners with Arkansas Children's |
| Conway Regional Medical Center | Level 2 NICU | 6 | Community Hospital - Non-Children's |
| Jefferson Regional Medical Center | Level 2 NICU | 0 | Partners with Arkansas Children's |
| Medical Center of South Arkansas | Level 2 NICU | 4 | Community Hospital - Non-Children's |
| National Park Medical Center | Level 2 NICU | 0 | Partners with Arkansas Children's |
| Northwest Medical Center - Bentonville | Level 2 NICU | 6 | Community Hospital - Non-Children's |
| Saint Mary's Regional Medical Center | Level 2 NICU | 0 | Partners with Arkansas Children's |
| Siloam Springs Regional Hospital | Level 2 NICU | 0 | Partners with Willow Creek Women's |
| White River Medical Center | Level 2 NICU | 4 | Community Hospital - Non-Children's |

10/2025 Neonatology Resources

| ILLINOIS | Neonatal Specialty | Licensed NICU | Comment |
|---|------------------------------|---------------|--|
| | Level of Care | Beds | |
| Adventist Hinsdale Hospital | Level 3 NICU | 12 | Community Hospital - Non-Children's |
| Advocate BroMenn Medical Center | Level 2 NICU | 8 | Community Hospital - Non-Children's |
| Advocate Christ Medical Center | Level 3 NICU | 61 | Community Hospital - Children's Hospital w/i Hospital |
| Advocate Condell Medical Center | Level 2 NICU | 14 | Community Hospital - Non-Children's |
| Advocate Good Samaritan Hospital | Level 3 NICU | 24 | Community Hospital - Non-Children's |
| Advocate Good Shepherd Hospital | Level 2 NICU | 8 | Community Hospital - Non-Children's |
| Advocate Illinois Masonic Medical Center | Level 3 NICU | 34 | Community Hospital - Non-Children's |
| Advocate Lutheran General Hospital | Level 3 NICU | 54 | Community Hospital - Children's Hospital w/i Hospital |
| Advocate Sherman Hospital | Level 2 NICU | 16 | Community Hospital - Non-Children's |
| Advocate South Suburban Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Advocate Trinity Hospital | Level 2 NICU | 8 | Community Hospital - Non-Children's |
| Alexian Brothers Medical Center | Level 2 NICU | 10 | Community Hospital - Non-Children's |
| Alton Memorial Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Amita Adventist Health Medical Center Bolingbrook | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Amita Adventist Health Medical Center LaGrange | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Amita Health Glen Oaks | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Amita Health Mercy Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Amita Health Resurrection Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Amita Health St. Joseph Hospital | Level 3 NICU | 20 | Community Hospital - Non-Children's |
| Amita Health Saints Mary and Elizabeth Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Amita Health St. Joseph Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Anderson Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Blessing Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Carle Foundation Hospital | Level 3 NICU | 48 | Community Hospital - Non-Children's |
| Centegra McHenry Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Decatur Memorial Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Edward Hospital | Level 3 NICU | 35 | Community Hospital - Non-Children's |
| Elmhurst Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Evanston Hospital | Level 3 NICU | 44 | Academic Medical Center - Non-Children's |
| Franciscan Health Olympia Fields | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Genesis Medical Center - Silvis | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Graham Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| HSHS St. Anthony's Memorial Hospital | Level 3 NICU | Unknown | Community Hospital - Non-Children's |
| HSHS St. John's Hospital | Level 3 NICU | 40 | Community Hospital - Children's Hospital w/i Hospital |
| HSHS St. Joseph's Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| HSHS St. Mary's Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Ingalis Memorial Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Little Company of Mary Hospital | Level 2 NICU | 12 | Community Hospital - Non-Children's |
| Loyola University Medical Center | Level 3 NICU | 50 | Academic Medical Center - Children's Hospital w/i Hospital |
| Lurie Children's Hospital of Chicago | Level 4 NICU | 60 | Academic Medical Center - Freestanding Children's Hospital |
| McNeal Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Memorial Hospital Belleville | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Memorial Hospital East | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Memorial Hospital of Carbondale | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Memorial Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Mercy Hospital & Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| MercyHealth - Javon Bea Hospital | Level 3 NICU | 52 | Regional Medical Center - Non-Children's |
| Mount Sinai Hospital | Level 3 NICU | 44 | Community Hospital - Children's Hospital w/i Hospital |
| Northwest Community Hospital | Level 3 NICU | 22 | Community Hospital - Non-Children's |
| Northwestern Medicine Central DuPage Hospital | Level 3 NICU | 29 | Community Hospital - Non-Children's |
| Northwestern Medicine Delnor Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Northwestern Medicine Huntley Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Northwestern Medicine Lake Forest Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Northwestern Memorial Hospital | Level 3 NICU | 44 | Academic Medical Center - Non-Children's |
| OSF Children's Hospital of Illinois | Level 3 NICU | 64 | Community Hospital - Children's Hospital w/i Hospital |
| OSF Heart of Mary Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| OSF St. Joseph Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Palos Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Passavant Area Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Roseland Community Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Rush University Medical Center | Level 3 NICU | 60 | Academic Medical Center - Children's Hospital w/i Hospital |
| Rush-Copley Medical Center | Level 3 NICU | 27 | Academic Medical Center - Non-Children's |
| Saint Anthony Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Sarah Bush Lincoln Health Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Silver Cross Hospital | Level 2 NICU | 17 | Community Hospital - Non-Children's |
| St. Alexius Medical Center Hoffman Estates | Level 3 NICU | 16 | Community Hospital - Non-Children's |
| Stroger Hospital of Cook County | Level 3 NICU | 52 | County Hospital - Non-Children's |
| Swedish American Hospital | Level 3 NICU | 10 | Community Hospital - Non-Children's |
| Swedish Covenant Hospital | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Unity Point Health - Trinity | Level 2 NICU | Unknown | Community Hospital - Non-Children's |
| Unity Point Health - Methodist | Level 2 NICU | 9 | Community Hospital - Non-Children's |
| University of Chicago - Comer Children's | Level 3 NICU | 47 | Academic Medical Center - Children's Hospital w/i Hospital |
| University of Illinois Hospital | Level 3 NICU | 52 | Academic Medical Center - Children's Hospital w/i Hospital |
| West Suburban Medical Center | Level 2 NICU | Unknown | Community Hospital - Non-Children's |

6/2025 Neonatology Resources

| INDIANA | Neonatal Specialty | Licensed NICU | Comment |
|--|--------------------|---------------|---|
| | Level of Care | Beds | |
| Peyton Manning Children's Hospital | Level 4 NICU | 97 | Community Hospital - Children's Hospital w/i Hospital |
| Riley Hospital for Children | Level 4 NICU | 60 | Academic - Children's Hospital w/i Hospital |
| Ball Memorial Hospital | Level 3 NICU | 21 | Community Hospital - Non-Children's |
| Community Hospital | Level 3 NICU | 32 | Community Hospital - Non-Children's |
| Community Hospital - North | Level 3 NICU | 36 | Community Hospital - Non-Children's |
| Community Hospital East | Level 3 NICU | 16 | Community Hospital - Non-Children's |
| Community Hospital South | Level 3 NICU | 32 | Community Hospital - Non-Children's |
| Deaconess - The Women's Hospital | Level 3 NICU | 24 | Community Hospital - Non-Children's |
| Dupont Hospital | Level 3 NICU | 25 | Community Hospital - Non-Children's |
| Franciscan Health Crown Point | Level 3 NICU | 20 | Community Hospital - Non-Children's |
| Franciscan Health Lafayette East | Level 3 NICU | 14 | Community Hospital - Non-Children's |
| Franciscan St. Francis Health | Level 3 NICU | 24 | Community Hospital - Non-Children's |
| IU Health Arnett Hospital | Level 3 NICU | 12 | Community Hospital - Non-Children's |
| IU Health Bloomington | Level 3 NICU | 15 | Community Hospital - Non-Children's |
| IU Health Methodist Hospital | Level 3 NICU | 38 | Community Hospital - Non-Children's |
| Lutheran Hospital | Level 3 NICU | 21 | Community Hospital - Children's Hospital w/i Hospital |
| Memorial Hospital | Level 3 NICU | 36 | Regional - Children's Hospital w/i Hospital |
| Methodist Hospital Northlake | Level 3 NICU | 11 | Community Hospital - Non-Children's |
| Parkview Women's and Children's Hospital | Level 3 NICU | 31 | Academic Children's - Non-Children's |
| Porter Regional Hospital | Level 3 NICU | 14 | Community Hospital - Non-Children's |
| Riley Hospital - IU Health North | Level 3 NICU | 20 | Community Hospital - Children's Hospital w/i Hospital |
| St. Joseph Mishawaka Medical Center | Level 3 NICU | 22 | Community Hospital - Non-Children's |
| St. Vincent Carmel | Level 3 NICU | 12 | Community Hospital - Non-Children's |
| St. Vincent Evansville | Level 3 NICU | 31 | Community Hospital - Non-Children's |
| Terre Haute Regional Hospital | Level 3 NICU | 15 | Community Hospital - Non-Children's |
| Baptist Health Floyd | Level 2 NICU | 6 | Community Hospital - Non-Children's |
| Clark Memorial Hospital | Level 2 NICU | 7 | Community Hospital - Non-Children's |
| Columbus Regional Health | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Elkart General Hospital | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Eskenazi Health | Level 2 NICU | 30 | Community Hospital - Non-Children's |
| Franciscan Health Hammond | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Franciscan Health Mooresville | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Franciscan Health Olympia Fields | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Hendricks Regional Health | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Margaret Mary Community Hospital | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Marion General Hospital | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Methodist Hospital Southlake | Level 2 NICU | 20 | Community Hospital - Non-Children's |
| St. Mary Medical Center | Level 2 NICU | 10 | Community Hospital - Non-Children's |
| Union Hospital | Level 2 NICU | 15 | Community Hospital - Non-Children's |

6/2025 Neonatology Resources

| IOWA | Neonatal Specialty Level of Care | Licensed NICU Beds | Comment |
|---|-------------------------------------|-----------------------|---|
| University of Iowa Children's Hospital | Level 4 NICU | 49 | Academic - Children's Hospital |
| Blank Children's Hospital | Level 3 NICU | 44 | Community Hospital - Children's Hospital |
| MercyOne Des Moines Medical Center | Level 3 NICU | 62 | Community Hospital - Children's Hospital w/i Hospital |
| St. Luke's Hospital | Level 3 NICU | 22 | Community Hospital - Non-Children's |
| UnityPoint - St. Luke's Sioux City | Level 3 NICU | 20 | Community Hospital - Non-Children's |
| Allen Memorial Hospital | Level 2 NICU | 10 | Community Hospital - Non-Children's |
| Genesis Medical Center - Davenport | Level 2 NICU | 20 | Community Hospital - Non-Children's |
| Mercy Medical Center | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| MercyOne Dubuque Medical Center | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| MercyOne Waterloo Medical Center | Level 2 NICU | 16 | Community Hospital - Non-Children's |
| UnityPoint Health - Allen Hospital | Level 2 NICU | 7 | Community Hospital - Non-Children's |
| UnityPoint Health - Finley Hospital | Level 2 NICU | 7 | Community Hospital - Non-Children's |
| UnityPoint Health - Methodist West Hospital | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| UnityPoint Trinity | Level 2 NICU | Unk | Partnership with Blank Children's |

6/2025 Neonatology Resources

| KANSAS | Neonatal Specialty | Licensed NICU | Comment |
|--|--------------------|---------------|--|
| | Level of Care | Beds | |
| Ascenion via Christi St. Joseph | Level 3 NICU | 28 | Community - Non-Children's |
| Overland Park Regional Medical Center | Level 3 NICU | 70 | Community - Non-Children's |
| Shawnee Mission Medical Center | Level 3 NICU | 24 | Community - Non-Children's |
| University of Kansas Hospital | Level 3 NICU | 40 | Academic - Non-Children's |
| Wesley Medical Center | Level 3 NICU | 24 | Community - Children's Hospital w/i hospital |
| Ascension via Christi Manhattan | Level 2 NICU | 8 | Community - Non-Children's |
| Geary Community Hospital - Junction City | Level 2 NICU | -- | Community - Non-Children's |
| Hays Medical Center | Level 2 NICU | 6 | Community - Non-Children's |
| Lawrence Memorial Hospital | Level 2 NICU | Unk | Community - Non-Children's |
| Menorah Medical Center | Level 2 NICU | 7 | Community - Non-Children's |
| Newton Medical Center | Level 2 NICU | Unk | Community - Non-Children's |
| Olathe Medical Center | Level 2 NICU | 14 | Community - Non-Children's |
| Providence Medical Center | Level 2 NICU | Unk | Community - Non-Children's |
| St. Catherine Hospital | Level 2 NICU | 7 | Community - Non-Children's |
| Storemont Vail Medical Center | Level 2 NICU | 27 | Community - Non-Children's |
| Western Plains Medical Complex | Level 2 NICU | 21 | Community - Non-Children's |

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6/2025 Neonatology Resources

| KENTUCKY | Neonatal Specialty Level of Care | Licensed NICU Beds | Comment |
|--|-------------------------------------|-----------------------|-------------------------------------|
| Norton Children's Hospital | Level 4 NICU | 101 | Academic - Children's Hospital |
| University of Kentucky Children's Hospital | Level 4 NICU | 70 | Academic - Children's Hospital |
| Baptist Health Lexington | Level 3 NICU | 32 | Community Hospital - Non-Children's |
| Baptist Health Paducah | Level 3 NICU | 14 | Community Hospital - Non-Children's |
| CHI Saint Joseph East | Level 3 NICU | 16 | Community Hospital - Non-Children's |
| Jennie Stewart Medical Center | Level 3 NICU | 6 | Community Hospital - Non-Children's |
| King's Daughters Medical Center | Level 3 NICU | 13 | Community Hospital - Non-Children's |
| Medical Center at Bowling Green | Level 3 NICU | 12 | Community Hospital - Non-Children's |
| Methodist Hospital | Level 3 NICU | 15 | Community Hospital - Non-Children's |
| Norton Hospital | Level 3 NICU | 44 | Community Hospital - Non-Children's |
| Owensboro Health Regional Hospital | Level 3 NICU | 20 | Community Hospital - Non-Children's |
| St. Elizabeth Healthcare | Level 3 NICU | 30 | Community Hospital - Non-Children's |
| University of Louisville Hospital | Level 3 NICU | 28 | Academic - Non-Children's Hospital |
| Baptist Health Louisville | Level 2 NICU | 8 | Community Hospital - Non-Children's |
| Baptist Health Madisonville | Level 2 NICU | 12 | Community Hospital - Non-Children's |
| Frankfort Regional Medical | Level 2 NICU | 4 | Community Hospital - Non-Children's |
| Hardin Memorial Hospital | Level 2 NICU | 6 | Community Hospital - Non-Children's |
| Pikeville Medical Center | Level 2 NICU | 8 | Community Hospital - Non-Children's |

6/2025 Neonatology Resources

| NEBRASKA | Neonatal Specialty Level of Care | Licensed NICU Beds | Comment |
|---------------------------------------|-------------------------------------|-----------------------|-------------------------------------|
| Children's Hospital & Medical Center | Level 4 NICU | 40 | Children's Hospital |
| University of Nebraska Medical Center | Level 4 NICU | 38 | Academic - Non-Children's |
| Bergan Mercy Medical Center | Level 3 NICU | 36 | Academic - Non-Children's |
| Bryan Medical Center East Campus | Level 3 NICU | 25 | Community Hospital - Non-Children's |
| CHI St. Elizabeth | Level 3 NICU | 30 | Community Hospital - Non-Children's |
| Methodist Women's Hospital | Level 3 NICU | 51 | Community Hospital - Non-Children's |
| Bellevue Medical Center | Level 2 NICU | 4 | Academic - Non-Children's |
| CHI Health Good Samaritan | Level 2 NICU | 9 | Community Hospital - Non-Children's |
| CHI Health Lakeside Hospital | Level 2 NICU | 7 | Community Hospital - Non-Children's |
| CHI Health St. Francis | Level 2 NICU | 9 | Community Hospital - Non-Children's |
| | | 249 | |

6/2025 Neonatology Resources

| TENNESSEE | Neonatal Specialty | Licensed NICU | Comment |
|--|--------------------|---------------|---|
| | Level of Care | Beds | |
| Children's Hospital at Erlanger | Level 4 NICU | 58 | Community Hospital - Children's Hospital w/i Hospital |
| Le Bonheur Children's Hospital | Level 4 NICU | 60 | Children's Hospital |
| Vanderbilt Children's | Level 4 NICU | 116 | Academic - Children's Hospital |
| Baptist Hospital for Women | Level 3 NICU | 40 | Community Hospital - Children's Hospital w/i Hospital |
| East Tennessee Children's Hospital | Level 3 NICU | 60 | Children's Hospital |
| Jackson-Madison County General Hospital | Level 3 NICU | 34 | County Hospital - Children's Hospital w/I Hospital |
| Johnson City Medical Center | Level 3 NICU | 39 | Community Hospital - Children's Hospital w/i Hospital |
| Methodist Le Bonheur Germantown Hospital | Level 3 NICU | 24 | Community Hospital - Non-Children's |
| Parkridge East Hospital | Level 3 NICU | 22 | Community Hospital - Non-Children's |
| Regional One Health Medical Center | Level 3 NICU | 65 | Regional - Non-Children's |
| Saint Francis Hospital | Level 3 NICU | 10 | Community Hospital - Non-Children's |
| Saint Thomas Midtown | Level 3 NICU | 52 | Community Hospital - Non-Children's |
| Tristar Centennial Hospital | Level 3 NICU | 60 | Community Hospital - Children's Hospital w/i Hospital |
| University of Tennessee Medical Center | Level 3 NICU | 67 | Academic - Non-Children's |
| Erlnager East Hospital | Level 2 NICU | 6 | Community Hospital - Non-Children's |
| Hendersonville Medical Center | Level 2 NICU | 6 | Community Hospital - Non-Children's |
| Horizon Medical Center | Level 2 NICU | 6 | Community Hospital - Non-Children's |
| Maury Regional Medical Center | Level 2 NICU | 8 | Community Hospital - Non-Children's |
| Methodist South Hospital | Level 2 NICU | Unk | Community Hospital - Non-Children's |
| Nashville General Hospital | Level 2 NICU | 10 | Community Hospital - Non-Children's |
| Saint Francis Hospital Bartlett | Level 2 NICU | 10 | Community Hospital - Non-Children's |
| Saint Thomas Rutherford Hospital | Level 2 NICU | 16 | Community Hospital - Non-Children's |
| Summit Medical Center | Level 2 NICU | 10 | Community Hospital - Non-Children's |
| Tenova Health Clarksville | Level 2 NICU | 12 | Community Hospital - Non-Children's |
| Tristar Stonecrest Medical Center | Level 2 NICU | 8 | Community Hospital - Non-Children's |
| Vanderbilt Tellahoma-Harton Hospital | Level 2 NICU | -- | Community Hospital - Non-Children's |
| Williamson Medical Center | Level 2 NICU | 5 | Community Hospital - Non-Children's |

Triage by Resource Allocation for Inpatients (TRAIN) – NICU Patient Population

N = 110

| Triage Classification | Mobility | Minimum Staff Required | Life Support |
|------------------------|---|---|--|
| Green (65) | Open crib (Role: 1 nurse (non-licensed: milk tech, PCT, labor pool, visitors, cuddlers, providers not utilized for higher acuity) | 11 RN (2 personnel 1 RN to up to 6 | Minimal = RA, Low Flow Cannula O ₂ , saline lock PIV, open crib |
| Yellow (42) | Crib/incubator/open table | 13 staff 1 staff to 1-2 patients depending on evac route | Moderate = CPAP/BiPAP/Hi-Flow/NIV, Central line, Peritoneal Dialysis (can be disconnected), external heat source required |
| Orange (10) | Required Equipment | 13 staff 1 staff to 1 patient | Maximal = Intubated conventional vent, chest tube, trach no support, medically necessary infusion, AKRT on break from therapy, continuous PD |
| Red (15) | Required Equipment | ECMO – 7 (RT, perfusion, 2 RN, 1-2 provider, PCT) 6 staff RN, 3 RT, 3 PCT 2 or more staff to 1 patient RT reserved for this level | Maximal = Highly specialized equipment (e.g. – HFOV, ECMO, iNO, Trach with support, AKRT on active therapy, therapeutic hypothermia) |

Notes:

- Medics have same credentials as RNs
- Respiratory Therapists and Perfusionists are a limited resource
- Utilize Center for Families/family partners to assist with family communication and advocacy



Strengthening Coalitions Lies Deep in the Heart of Collaboration



Presented By:



No Tiny Feet

Building a Multidisciplinary Team for Simultaneous NICU Evacuation



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Assistant Professor of Pediatrics

Director, EU Disaster and Mass Casualty Preparedness

Washington University in St. Louis

Michele Tanton, MSSSEM, CHEP

Emergency Preparedness Manager

St. Louis Children's Hospital



#NH CPC25

No Tiny Feet



- Located in St. Louis Metropolitan area
- Referral hospital for 6 states
- Pediatric academic hospital
- Seventh oldest hospital in US
- Licensed Beds: 455
 - 150 NICU beds
- Employees: 3,423
- Physicians: 881
- Volunteers: 1,300



#NHCPC25



In 1997, St. Louis Children's Hospital experienced a fire that necessitated the evacuation of 137 patients from various levels of the facility, including the NICU. Traditional evacuation models classify NICU patients as yellow or red evacuees, indicating they require significant resources and are usually among the last to be evacuated. In response, SLCH initiated development of a parallel evacuation model.

The goals were to:

- Create plans and processes for evacuating a 150-bed NICU using a multidisciplinary approach
- Develop specific, suitable, and multi-level evacuation and Incident Command System (ICS) models for intensive care units while simultaneously evacuating the entire hospital



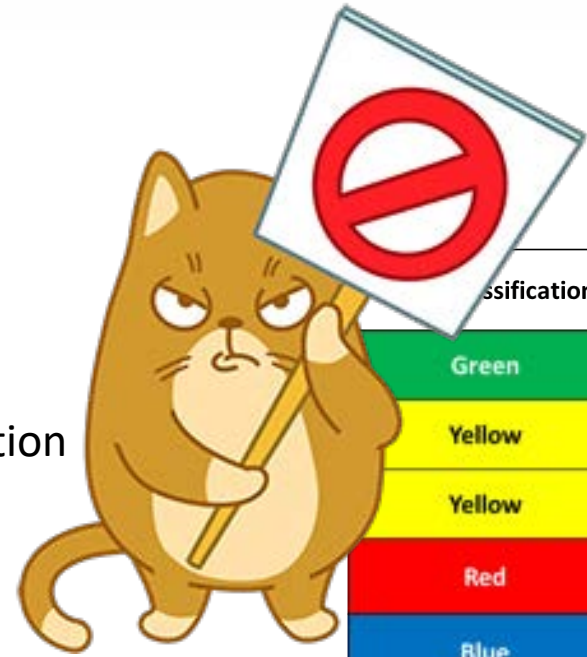
Motivation – The “Why”

What keeps you up at night?

- Cyberattack? Active Shooter? Evacuation? Utility Failure?
- Previous experience or events
- 150-bed NICU
- Not if, when

Order of Evacuation

Green
Yellow
Red



| Classification | Mobility | Minimum Staff Required |
|----------------|---|---------------------------|
| Green | Ambulatory | 1 staff to 8-20 patients |
| Yellow | Wheelchair/Stretcher | 1 staff to 1 patient |
| Yellow | Infants/Neonates | 1 staff to 1-2 patients |
| Red | Confined to Bed and/or Required Equipment | 2 or more staff |
| Blue | Psychiatric/Behavioral Patients | Based on acuity/diagnosis |



Objectives

IDENTIFY

Critical
Stakeholders

DEVELOP

Integrated
Evacuation
Strategies

IMPLEMENT

Tools:
Planning &
Communication

CONDUCT

Effective Drills



Collaboration

- Internal Partners
 - Executive leaders
 - Clinical leaders
 - Physicians
 - Ancillary services (RT)
 - Family Partners
 - Emergency Management leaders



Collaboration

- External Partners (regional, state, federal)
 - Other hospitals/systems
 - Emergency Management
 - Emergency Medical Services
 - Transport Teams
 - Hospital associations



Collaboration

- Consideration for rural institutions. Level I and Level II nurseries will still need to be evacuated, but shareholders may be different
 - OB nursing staff
 - Emergency department staff
- Outside collaboration may be even more important
 - EMS Agencies
 - Healthcare coalitions
 - Local children's hospital

Objectives

IDENTIFY

Critical
Stakeholders

DEVELOP

Integrated
Evacuation
Strategies

IMPLEMENT

Tools:
Planning &
Communication

CONDUCT

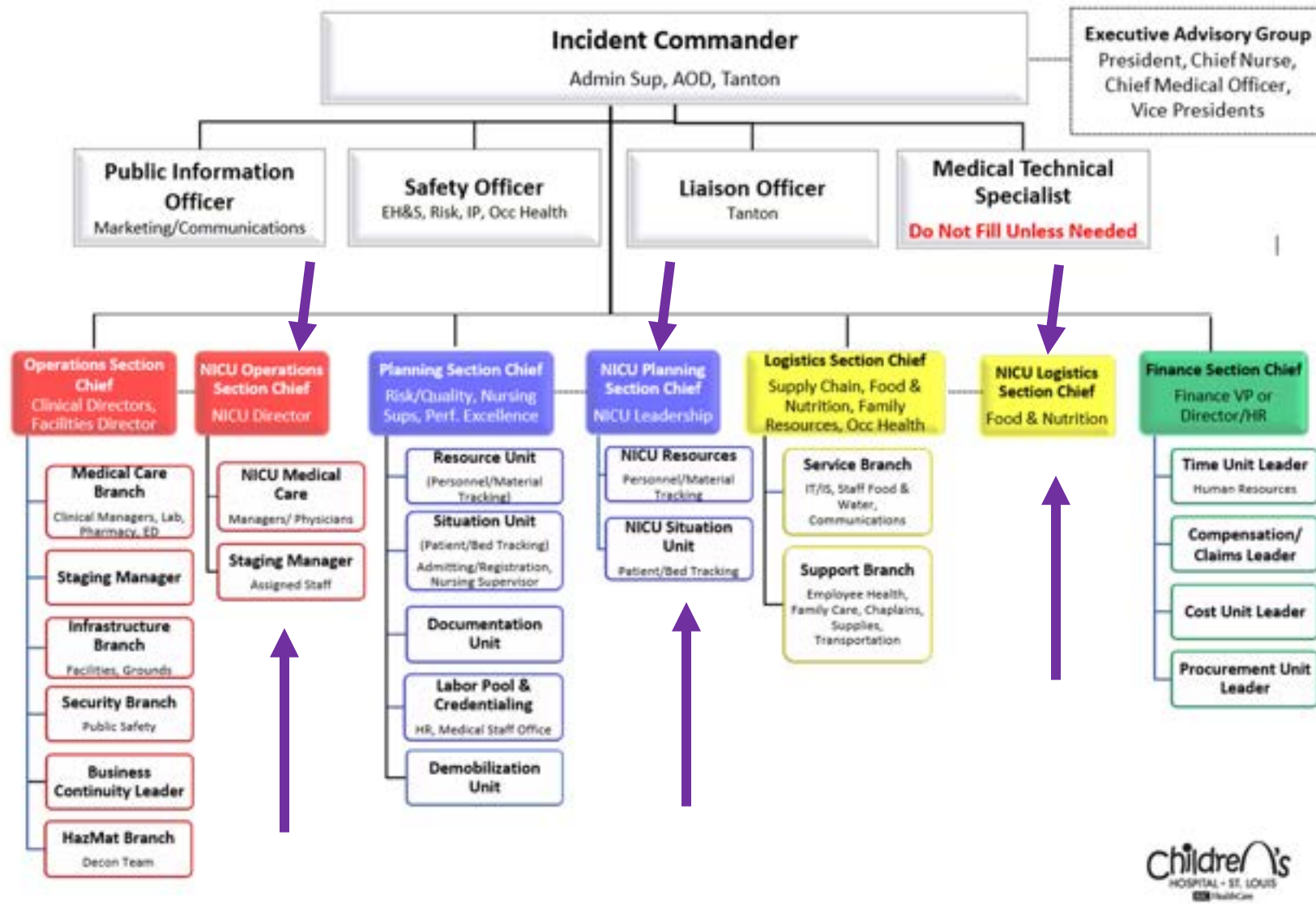
Effective Drills

Develop Integrated Evacuation Strategies

How Does it Work?

- First step is to get everyone in a room
- Assess the current situation
- Lean on those with some incident command experience to help draft the NICU specific concurrent incident command

Integrated Evacuation Strategies



Parallel Incident Command

- Main hospital command
- NICU command



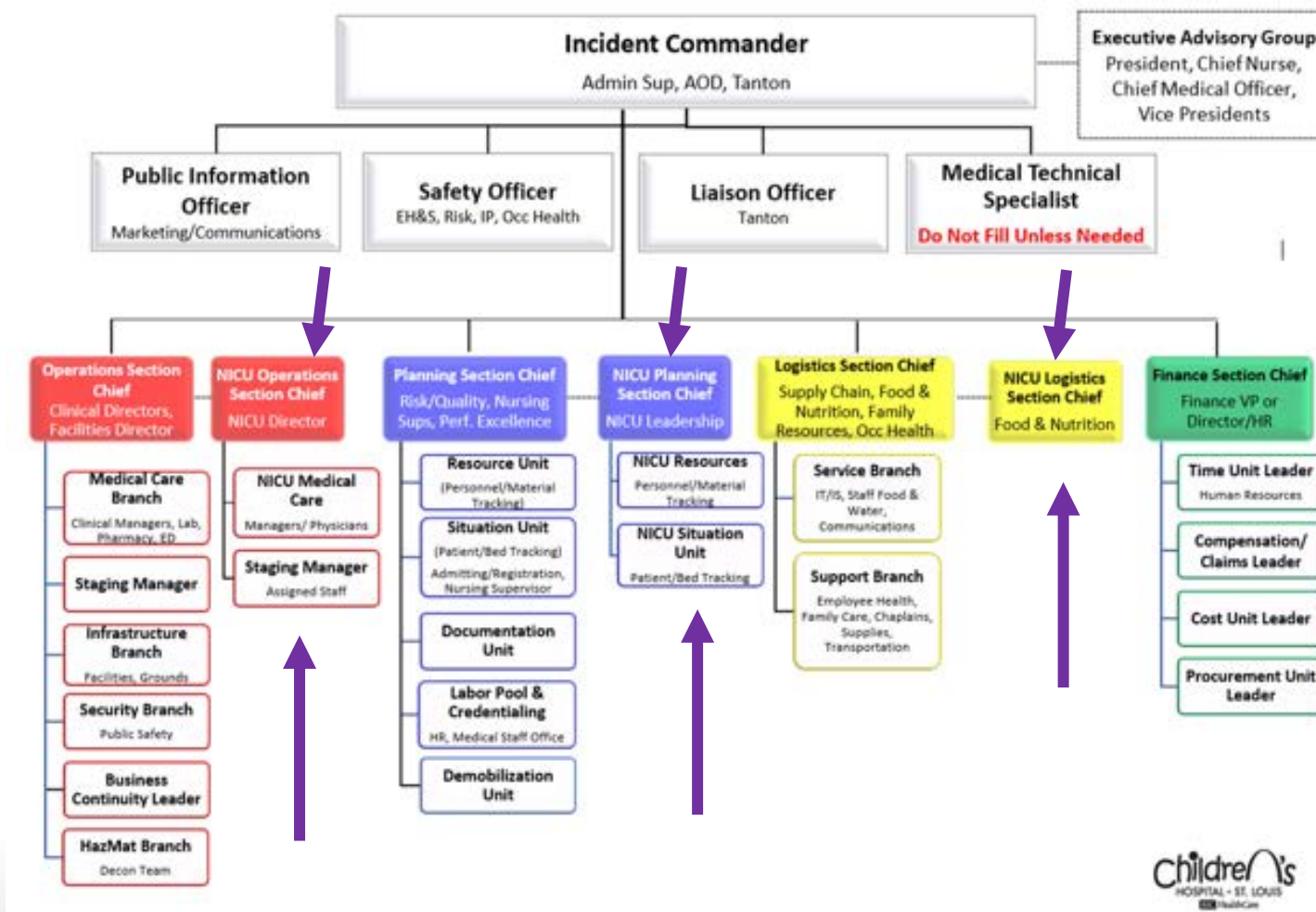
Integrated Evacuation Strategies

How Does it Work?

- Facilitators
 - Hospital = Incident Commander
 - NICU = NICU Operations Section Chief (functions as Incident Commander at NICU level)
- NICU Medical Care (RN managers/MD leader)
- NICU Staging Manager
- Hospital Planning Section to NICU Planning Section
 - NICU Resources (personnel/material tracking)
 - NICU Situation Unit (patient/bed tracking)
- Hospital Logistics to NICU Logistics
 - NICU Food & Nutrition



Integrated Evacuation Strategies



For rural hospitals:

- How use the resources of incident command to do this concurrently?
- Keep NICU or nursery leadership at the table



Integrated Evacuation Strategies

- Our successes
 - Increased NICU leadership presence and resources
 - Increased interest and engagement
 - Reduced communication delays (playing telephone)
- Our barriers
 - Concern with non-traditional Incident Command approach
 - Training and awareness of plan and process
 - Scheduling education/drills – always surging
 - Development for additional departments (time challenge)



Objectives

IDENTIFY

Critical
Stakeholders

DEVELOP

Integrated
Evacuation
Strategies

IMPLEMENT

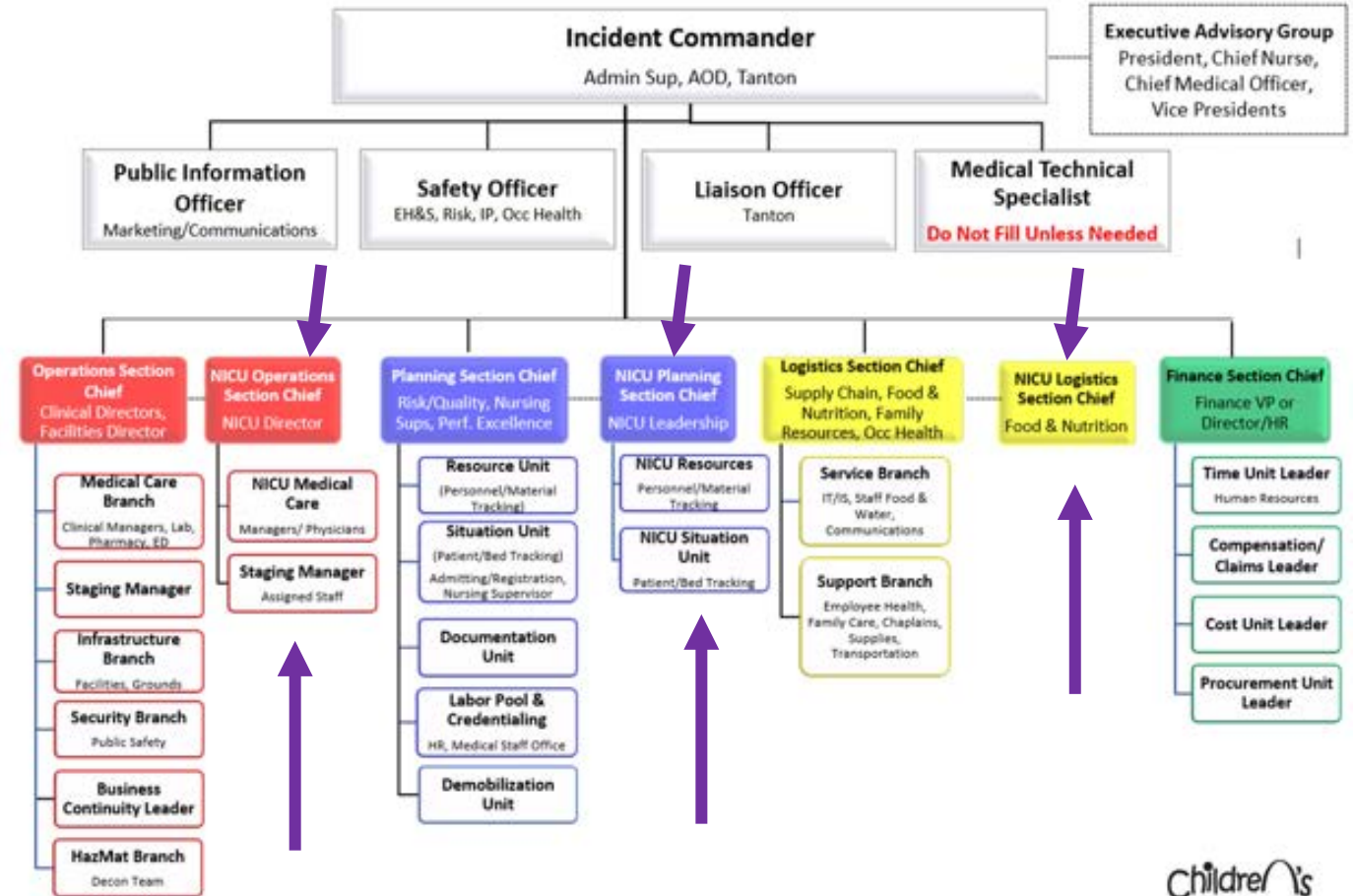
Tools:
Planning &
Communication

CONDUCT

Effective Drills

Tools

- You have the people
- You have the layout
- Now you need the tools!



Transforming NICU Evacuation – Tools

| Wednesday, October 9, 2024 | | |
|--|--|--|
| Yellow 17 Barb Cohan 314-393-1057 Marina Metzler 314-393-6442 Rph: B. Zeller 314-738-4271 | Blue 18 Carly Schuetz 314-393-0094 No Fellow RPH: B. Zeller 314-738-4271 | Green 19 Lila Nolan 314-393-0654 Amy Hammen 314-393-6313 Rph: C. Livinskie 314-732-4231 |
| Red 20 Hayley Friedman 314-393-6200 No Fellow RPH: C. Livinskie 314-732-4231 | Orange 19 Luke Viehl 314-393-3873 Jess Kris 314-393-6557 RPH: C. Livinskie | Purple 19 Gillian Pet 314-296-0742 Kelly Meyer 314-203-3370 RphB. Zeller 314-738-4271 |
| Pink 21 Elisabeth Cole 314-686-2203 Allyson Schreiber 314-393-6366 Rph: C. Livinskie 314-732-4231 | | |
| 5400E Aggravation, Mylo BCPAP 6 PIV NPO Rep- LIS Q12 XR | 5400 FP Alchemy, GirlWanda OG/1h PIV Abx Intubated | NRP Azkend, GirlWanda**MRSA RA PO/NG |
| NRP Babel, Sam 6L Opti NG/1h moved x3 5400 FP Bicycle, Charlie RA NG ECHO-Cardiomegaly moved x4 | 5400E Bejeweled, Alex 1L PO (30ml/Q3)NG/1h Gaba L Reservoir/VP Shunt 10/2-laser | NRP Atari, Mylo 1L NG/1h |
| Negative Pressure Rooms: 513, 524, 5103, 5108, 5113 5403, 5421, 5430, 5432 | | |
| Legend: Triage Levels for Evacuation Planning: RA/NC, PIV, open crib Resp. support >NC, Central line, Isolette/Open Vent, Chest Tube, Drips, Cont. PD Osc, iNO, Cooling, ECMO/AKRT | Legend: RA/NC, PIV, open crib Resp. support > NC, central line, isolette/table Vent, chest tube, drips, continuous PD Oscillator, iNO, cooling, ECMO/AKRT | |

Prepare – Ready All the Time
 Triage based on mobility and
 needed resources every shift

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Transforming NICU Evacuation - Tools

Triage by Resource Allocation for Inpatient (TRAIN)

| Triage Classification | Mobility | Minimum Staff Required | Life Support |
|------------------------|---|--|---|
| Green (65) | Open crib (Role: 1 nurse (non-licensed: milk tech, PCT, labor pool, visitors, cuddlers, providers not utilized for higher acuity) | 11 RN (2 personnel 1 RN to up to 6 | Minimal = RA, Low Flow Cannula O2, saline lock PIV, open crib |
| Yellow (42) | Crib/isolette/open table | 13 staff 1 staff to 1-2 patients depending on evac route | Moderate = CPAP/BiPAP/Hi-Flow/NIV, Central line, Peritoneal Dialysis (can be disconnected), external heat source required |
| Orange (10) | Required Equipment | 13 staff 1 staff to 1 patient | Maximal = Intubated conventional vent, chest tube, trach no support, medically necessary infusion, AKRT on break from therapy, continuous PD |
| Red (15) | Required Equipment | ECMO – 7 (RT, perfusion, 2 RN, 1-2 provider, PCT) 6 staff RN, 3 RT, 3 PCT 2 or more staff to 1 patient RT reserved for this level | Maximal = Highly specialized equipment (e.g. –HFOV, ECMO, iNO, Trach with support, AKRT on active therapy, therapeutic hypothermia) |



Transforming NICU Evacuation - Tools



Transforming NICU Evacuation - Tools

Create Job Role Cards

- Create for major tasks
- Avoid duplication of tasks

Physician/APN Leaders (Attending, Fellow, APN Resource)

| Date | Time | Initials | Task |
|------|------|----------|---|
| | | | On-Call Attending, Medical Control Fellow, & APN Resource collaborate with Evacuation Manager/Charge Nurse to allocate provider resources for evacuation of most critical patients. |
| | | | Assist in preparing patients for potential evacuation. DO NOT EVACUATE WITHOUT ORDER AND GUIDANCE TO DO SO FROM HOSPITAL OR NICU INCIDENT COMMAND |
| | | | Collaborate with Evacuation Manager/Charge Nurse in assigning a practitioner to evacuation areas/sites with the first infants and act as coordinator |
| | | | Assist with stabilization and transport of the sickest infants |
| | | | Delegate providers to call sign out for patients transferred to other facilities. |

Providers (APNs, Residents)
Job Action Card

| Date | Time | Initials | Task |
|------|------|----------|--|
| | | | Assist in preparing patients for potential evacuation. DO NOT EVACUATE WITHOUT ORDER AND GUIDANCE TO DO SO FROM HOSPITAL OR NICU INCIDENT COMMAND |
| | | | Collaborate with physician/APN leaders in assigning a practitioner to evacuation areas/sites with the first infants |
| | | | Assist with stabilization and transport of the sickest infants |
| | | | Call sign out for patients transferred to other facilities as directed by physician/APN leaders |

Milk Room
Job Action Card

| Date | Time | Initials | Task |
|--|------|----------|---|
| | | | Report to the Evacuation Manager/Charge Nurse to receive instructions |
| If instructed by Evacuation Manager/Charge Nurse to Assist with Milk Evacuation, follow these steps: | | | |
| | | | Ensure that all bins are labeled with updated patient identifier |
| | | | Load breast milk, donor milk and Prolacta onto carts in labeled individual patient bins. <ul style="list-style-type: none"> • If coolers are available, place refrigerated milk in cooler. • Do not mix refrigerated and frozen milk in a cooler. |
| | | | Transport breast milk, donor milk and Prolacta in individual labeled bins to evacuation areas/sites |
| | | | Assist with use of evacuation devices (just in time training materials are provided with equipment) |



Transforming NICU Evacuation - Tools

Modify HICS Forms to Meet Needs

HICS 255 - MASTER PATIENT EVACUATION TRACKING FORM – NICU

| | | | | | |
|-----------------------------------|--|--|--|---|--|
| 1. INCIDENT NAME | | 2. DATE/TIME PREPARED | | 3. PATIENT TRACKING MANAGER | |
| 4. PATIENT EVACUATION INFORMATION | | | | | |
| Patient Name or Sticker | Disposition <input type="checkbox"/> Home <input type="checkbox"/> Discharge <input type="checkbox"/> Transfer <input type="checkbox"/> Mangle | Evacuation Triage Category <input type="checkbox"/> Immediate <input type="checkbox"/> Delayed <input type="checkbox"/> Minor | Mode of Transport | | Family Present: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | <input type="checkbox"/> CCT <input type="checkbox"/> ALS <input type="checkbox"/> BLS <input type="checkbox"/> Bus <input type="checkbox"/> Car <input type="checkbox"/> Van <input type="checkbox"/> Aircraft | Medication/Supplies Sent: <input type="checkbox"/> Yes <input type="checkbox"/> No Heat Source: <input type="checkbox"/> Yes <input type="checkbox"/> No Type: <input type="checkbox"/> Radiant Warmer <input type="checkbox"/> Isolette <input type="checkbox"/> Gel Pad | |
| Accepting Hospital or Location | Time Accepting Hospital Contacted & Report Given | Transport Initiated Company: _____ Time: _____ | Admit Location <input type="checkbox"/> NICU Rm/Bed # _____ <input type="checkbox"/> ER Rm/Bed # _____ <input type="checkbox"/> Floor Rm/Bed # _____ | Arrival Confirmed <input type="checkbox"/> Yes <input type="checkbox"/> No Time: _____ | |
| Patient Name or Sticker | Disposition <input type="checkbox"/> Home <input type="checkbox"/> Discharge <input type="checkbox"/> Transfer <input type="checkbox"/> Mangle | Evacuation Triage Category <input type="checkbox"/> Immediate <input type="checkbox"/> Delayed <input type="checkbox"/> Minor | Mode of Transport | | Family Present: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Accepting Hospital or Location | Time Accepting Hospital Contacted & Report Given | Transport Initiated Company: _____ Time: _____ | Admit Location <input type="checkbox"/> NICU Rm/Bed # _____ <input type="checkbox"/> ER Rm/Bed # _____ <input type="checkbox"/> Floor Rm/Bed # _____ | | Arrival Confirmed <input type="checkbox"/> Yes <input type="checkbox"/> No Time: _____ |
| | | | <input type="checkbox"/> CCT <input type="checkbox"/> ALS <input type="checkbox"/> BLS <input type="checkbox"/> Bus <input type="checkbox"/> Car <input type="checkbox"/> Van <input type="checkbox"/> Aircraft | Medication/Supplies Sent: <input type="checkbox"/> Yes <input type="checkbox"/> No Heat Source: <input type="checkbox"/> Yes <input type="checkbox"/> No Type: <input type="checkbox"/> Radiant Warmer <input type="checkbox"/> Isolette <input type="checkbox"/> Gel Pad | |
| Patient Name or Sticker | Disposition <input type="checkbox"/> Home <input type="checkbox"/> Discharge <input type="checkbox"/> Transfer <input type="checkbox"/> Mangle | Evacuation Triage Category <input type="checkbox"/> Immediate <input type="checkbox"/> Delayed <input type="checkbox"/> Minor | Mode of Transport | | Family Present: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Accepting Hospital or Location | Time Accepting Hospital Contacted & Report Given | Transport Initiated Company: _____ Time: _____ | Admit Location <input type="checkbox"/> NICU Rm/Bed # _____ <input type="checkbox"/> ER Rm/Bed # _____ <input type="checkbox"/> Floor Rm/Bed # _____ | | Arrival Confirmed <input type="checkbox"/> Yes <input type="checkbox"/> No Time: _____ |
| | | | <input type="checkbox"/> CCT <input type="checkbox"/> ALS <input type="checkbox"/> BLS <input type="checkbox"/> Bus <input type="checkbox"/> Car <input type="checkbox"/> Van <input type="checkbox"/> Aircraft | Medication/Supplies Sent: <input type="checkbox"/> Yes <input type="checkbox"/> No Heat Source: <input type="checkbox"/> Yes <input type="checkbox"/> No Type: <input type="checkbox"/> Radiant Warmer <input type="checkbox"/> Isolette <input type="checkbox"/> Gel Pad | |
| 5. SUBMITTED BY | | 6. DATE/TIME SUBMITTED | | 7. FACILITY NAME St. Louis Children's Hospital | |

HICS 260 – PATIENT EVACUATION TRACKING FORM – NICU

| | | | |
|--|-------------------------------------|--|---|
| FACILITY NAME St. Louis Children's Hospital | | 1. DATE | |
| PLACE PATIENT STICKER IN THIS SPACE | | | |
| 3. DIAGNOSIS (-ES) | | 4. ADMITTING PHYSICIAN | |
| 5. FAMILY NOTIFIED <input type="checkbox"/> YES <input type="checkbox"/> NO | | FAMILY PRESENT <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| CONTACT INFORMATION: | | | |
| 6. ACCOMPANYING EQUIPMENT (CHECK THOSE THAT APPLY) | | | |
| <input type="checkbox"/> Crib | <input type="checkbox"/> IV Pumps | <input type="checkbox"/> Chest Tube(s) | <input type="checkbox"/> Foley Catheter |
| <input type="checkbox"/> Isolette | <input type="checkbox"/> Oxygen | <input type="checkbox"/> Monitor | <input type="checkbox"/> IO Device |
| <input type="checkbox"/> Open Table | <input type="checkbox"/> Ventilator | <input type="checkbox"/> A-Line/Swan | <input type="checkbox"/> Heat Source |
| <input type="checkbox"/> Other | <input type="checkbox"/> Other | <input type="checkbox"/> Other | Type: <input type="checkbox"/> Other |
| ISOLATION <input type="checkbox"/> YES <input type="checkbox"/> NO | | TYPE | |
| REASON | | | |
| 7. DEPARTING LOCATION/DEPARTMENT | | 8. EVACUATION STAGING/HOLDING LOCATION | |
| MODE OF TRANSPORT <input type="checkbox"/> CARRY <input type="checkbox"/> CRIB / ISOLETTE / TABLE <input type="checkbox"/> EVACUATION BASKET | | MODE OF TRANSPORT <input type="checkbox"/> CARRY <input type="checkbox"/> CRIB / ISOLETTE / TABLE <input type="checkbox"/> EVACUATION BASKET | |
| ROOM # | TIME | ROOM # | TIME |
| ID Band Confirmed <input type="checkbox"/> YES <input type="checkbox"/> NO | By: _____ | ID Band Confirmed <input type="checkbox"/> YES <input type="checkbox"/> NO | By: _____ |
| Belongings <input type="checkbox"/> with Patient <input type="checkbox"/> Left in Room <input type="checkbox"/> None | | Belongings Received <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| Valuables <input type="checkbox"/> with Patient <input type="checkbox"/> Left in Safe <input type="checkbox"/> None | | Valuables <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| Medications <input type="checkbox"/> with Patient <input type="checkbox"/> Left on Unit <input type="checkbox"/> to Pharmacy | | Medications Received <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| PEDI/INFANTS | | | |
| Bag/Mask with Tubing Sent <input type="checkbox"/> YES <input type="checkbox"/> NO | | Bag/Mask with Tubing Received <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| Bulb Syringe Sent <input type="checkbox"/> YES <input type="checkbox"/> NO | | Bulb Syringe Received <input type="checkbox"/> YES <input type="checkbox"/> NO | |
| 9. TRANSFERRING TO ANOTHER FACILITY | | | |
| TIME TO LOADING AREA: | | DESTINATION: | |
| TRANSPORTATION <input type="checkbox"/> Ambulance Unit <input type="checkbox"/> Helicopter <input type="checkbox"/> Other | | | |
| ID BAND CONFIRMED <input type="checkbox"/> YES <input type="checkbox"/> NO BY: (please print) | | | |
| STAFF ACCOMPANYING PATIENT: <input type="checkbox"/> YES <input type="checkbox"/> NO NAME: (please print) | | | |
| DEPARTURE TIME: | | | |

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Transforming NICU Evacuation – Tools

Build a Directory of Resources

10/04/2024 09:16 MO Pediatric View Snapshot

| St. Louis Hospital ED | ED Designation | OB Level of Care | Neonatal Level of Care | Neonatal Specialty Level of Care | Pediatric Level of Care | Ped Specialty Care PICU | Licensed NICU Beds | Comment |
|--|-------------------------|---------------------------|------------------------|----------------------------------|-------------------------|-------------------------|--------------------|------------------------|
| BARNES - JEWISH HOSPITAL—L-1 | Trauma Center | Level 2 Specialty Care | Level 1 Well Nursery | Level 1 | Pediatric Capable | No | | |
| Barnes - Jewish St. Peters Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Barnes - Jewish West County Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Christian Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | N/A | No | | |
| Homer G. Phillips Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| Mercy Hospital Jefferson | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Mercy Hospital Lincoln | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Mercy Hospital South—L-II | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | 12 | Level 2 Trauma Center, |
| Mercy Hospital St. Louis—L-1 | Trauma Center / Burn | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | Yes | 121 | |
| Mercy Hospital Washington—L-III | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | | Level 3 Trauma Center |
| Missouri Baptist Medical Center | Emergency Care Capable | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 3 NICU | Designated Peds Beds | No | 25 | |
| Northwest Health Care | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Parkland Health Center - Bonne Terre | Emergency Care Capable | N/A | N/A | N/A | Pediatric Capable | No | | |
| Parkland Health Center - Farmington | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| Pike County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Pediatric Capable | No | | |
| Progress West Hospital | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | 9 | |
| SSM Cardinal Glennon Children's Hosp L-1 | Pediatric Trauma Center | Emergency Care Only | Emergency Care Only | Level 4 NICU | Designated Peds Beds | Yes | 65 | |
| SSM DePaul Hospital-St. Louis | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Emergency Care Only | No | | |
| SSM Health Saint Louis Univ. Hosp. L-1 | Trauma Center | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |
| SSM St. Clare Hospital- St. Louis | Emergency Care Capable | Level 2 Specialty Care | Level 1 Well Nursery | N/A | Pediatric Capable | No | | |
| SSM St. Joseph Hospital- St. Charles | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | 0 | |
| SSM St. Joseph Hospital- Wentzville | Emergency Care Capable | Level 1 Basic Care | Level 1 Well Nursery | N/A | Emergency Care Only | No | | |
| SSM St. Mary's Hospital-St. Louis | Emergency Care Capable | Emergency Care Only | Emergency Care Only | Level 3 NICU | Pediatric Capable | No | 42 | |
| SSM St. Joseph Hospital-Lake St. Louis-L-III | Trauma Center | Level 1 Basic Care | Level 1 Well Nursery | N/A | Designated Peds Beds | No | | Level 3 Trauma Center |
| St. Louis Children's Hospital L-1 | Pediatric Trauma Center | Emergency Care Only | Level 1 Well Nursery | Level 4 NICU | Designated Peds Beds | Yes | 150 | |
| St. Luke's Des Peres Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | emergency care capable |
| St. Luke's Hospital | Emergency Care Capable | Level 3 Subspecialty Care | Level 1 Well Nursery | Level 2 | Designated Peds Beds | No | 12 | |
| VA St. Louis Health Care System | Emergency Care Capable | N/A | N/A | N/A | N/A | No | | |
| Washington County Memorial Hospital | Emergency Care Capable | Emergency Care Only | Emergency Care Only | N/A | Emergency Care Only | No | | |

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Communications



- Electronic and printed
- Mass notification systems
- Team members
- Social media
- Regional systems
- Healthcare coalition resources
- Credentialing
 - Staff and physicians
 - Volunteers



Objectives

IDENTIFY

Critical
Stakeholders

DEVELOP

Integrated
Evacuation
Strategies

IMPLEMENT

Tools:
Planning &
Communication

CONDUCT

Effective Drills

Plan in Action – Drills

- Decide
 - Brainstorm with multidisciplinary team
 - Create multi-year plan
- Commit
 - Planning – every other month
 - Drill – every year
- Implement – make it real
 - Tabletop
 - Baby steps
 - One focus at a time; add a new focus each time



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Plan in Action – Drills

- Emergency management
- Emergency department/disaster MD
- Medical director NICU MD
- Admin supervisor RN
- PICU nurse director



Plan in Action – Drills

- Engagement & Inclusion
 - Community and regional partners
- Include everyone
- Make it fun!
 - Operation Red-Nosed Reindeer
 - Operation Santa Baby
 - Operation Baby Bundle
 - Operation Pumpkin Spice
 - Operation Honeysuckle



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Results

After two years of initial planning and evaluating operational plans, the hospital successfully evacuated 20 patients within three hours of notification during their first exercise.

This included:

- Utilizing available equipment and resources
- Identifying suitable transfer locations
- Transporting patients from the NICU to transport vehicle



Fast Forward to 2025

- Evacuated 20 patients; 2 to receiving hospital
- Reconciled patient, equipment, location, notification
- Developed family reunification
- Over 75 active drill participants

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Hardwiring Success

**IF AT FIRST YOU
DON'T SUCCEED,
TRY,
TRY,
TRY AGAIN.**

-William Edward Hickson

**WHEN YOU TRY
SOMETHING,
YOU RISK FAILURE.**

**BUT WHEN
YOU DON'T,
YOU ENSURE IT.**

- Stay the course
- Build on existing plans
- Test something new



From Protocol to Best Practice



- Develop specific Operations Plans
- Create Tools & Aids for Support
- Conduct Annual Progressive Drills & Exercises
- Continue Engagement & Updates
- Provide Opportunities to Engage & Share Resources



Conclusion

- Internal and external engagement and inclusion is essential
- Development of department-specific operations plans allows for seamless integration into overall hospital plans
- Yearly evacuation exercises reinforce education and provide opportunities for growth
- Stay the course – if something doesn't work the first time, try something else



Contact Information



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**Collaborate with passion, Innovate with creativity,
Evaluate with precision, and Practice with dedication**

Thank You!



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Strengthening Coalitions Lies Deep in the Heart of Collaboration



Presented By:



Rural & Critical Access Hospital Pediatric Disaster Preparedness: Lessons Learned

Dr. Anne Runkle
Michelle Moegling, MBA-HM, RN,
BSN, CPN

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Disclosure

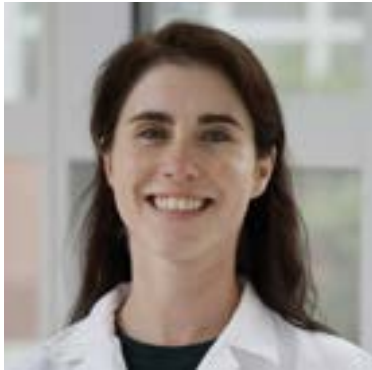


The content provided reflects the authors'; viewpoints and perspectives. It does not represent the official views or endorsements of the Administration for Strategic Preparedness and Response (ASPR), the Department of Health and Human Services (HHS), or the United States Government. Region V for Kids Pediatric Disaster Center of Excellence is funded by a grant from the Administration for Strategic Preparedness and Response (ASPR) within the U.S. Department of Health and Human Services (#U3REP190615-10-13). The authors are supported by this grant. For more information, visit [ASPR.gov](https://www.aspr.gov).

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Biography



Ohio State Emergency Medicine
Nationwide Children's Pediatric Emergency Medicine



UH Rainbow Babies and Children's Hospital
Cleveland, OH
Region V for Kids Project Manager

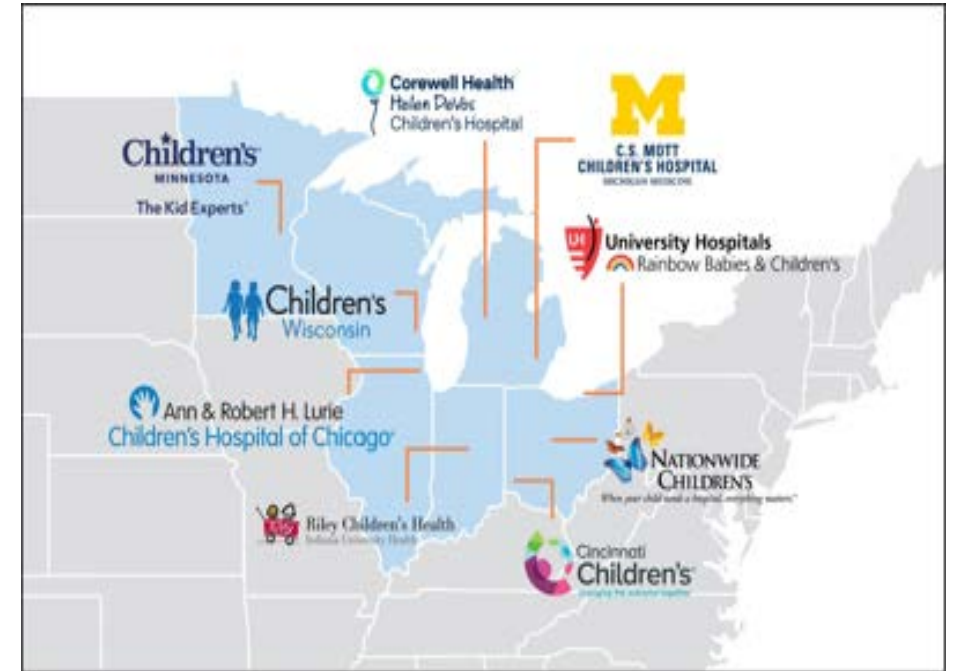
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Region V for Kids



The mission of Region V for Kids is to build on existing foundations in pediatric clinical care and emergency response by enhancing coordination mechanisms and incorporating relevant capabilities at the local, state and regional levels.



The overall goal is to harness and develop best-practices around pediatric disaster preparedness and response

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Region V for Kids

It's one of only three **Pediatric Disaster Centers of Excellence** in the country, supported by the **Assistant Secretary for Preparedness and Response (ASPR)**. Focused on improving pediatric readiness before, during, and after disasters by:

- Strengthening **pediatric disaster planning** for hospitals, EMS, and public health.
- Building **regional coalitions** to coordinate care for children in emergencies.
- Providing **education, training, and resources** to healthcare professionals.
- Conducting **research and innovation** in pediatric disaster preparedness.
- Supporting **PECCs (Pediatric Emergency Care Coordinators)** to improve readiness at the local level.

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Region V for Kids



Region V for Kids is a regional network designed to make sure children are better protected and cared for in disasters and public health emergencies.

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Who are you? (Poll Everywhere)

Choose your primary role

- Healthcare Coalition
- Emergency Management professionals.
- Government personnel
- Public health officials
- Volunteer organizations
- Hospital and healthcare system staff
- First responders
- Other



Pediatric Readiness

35 MILLION

children seek
emergency care
each year,¹

BUT...

80%



of EDs treat fewer
than 10 children
per day²



of EMS agencies
treat fewer than
8 children per month³



Every Second Counts



66% of families are
30+ minutes from
an ED fully prepared
for children¹



if a child dies,
the average time
to death is 3 hours²

Graphic used with permission from EMSC Innovation and Improvement Center

1. <https://pubmed.ncbi.nlm.nih.gov/29336799/>

2. <https://jamanetwork.com/journals/jamasurgery/fullarticle/2788568>

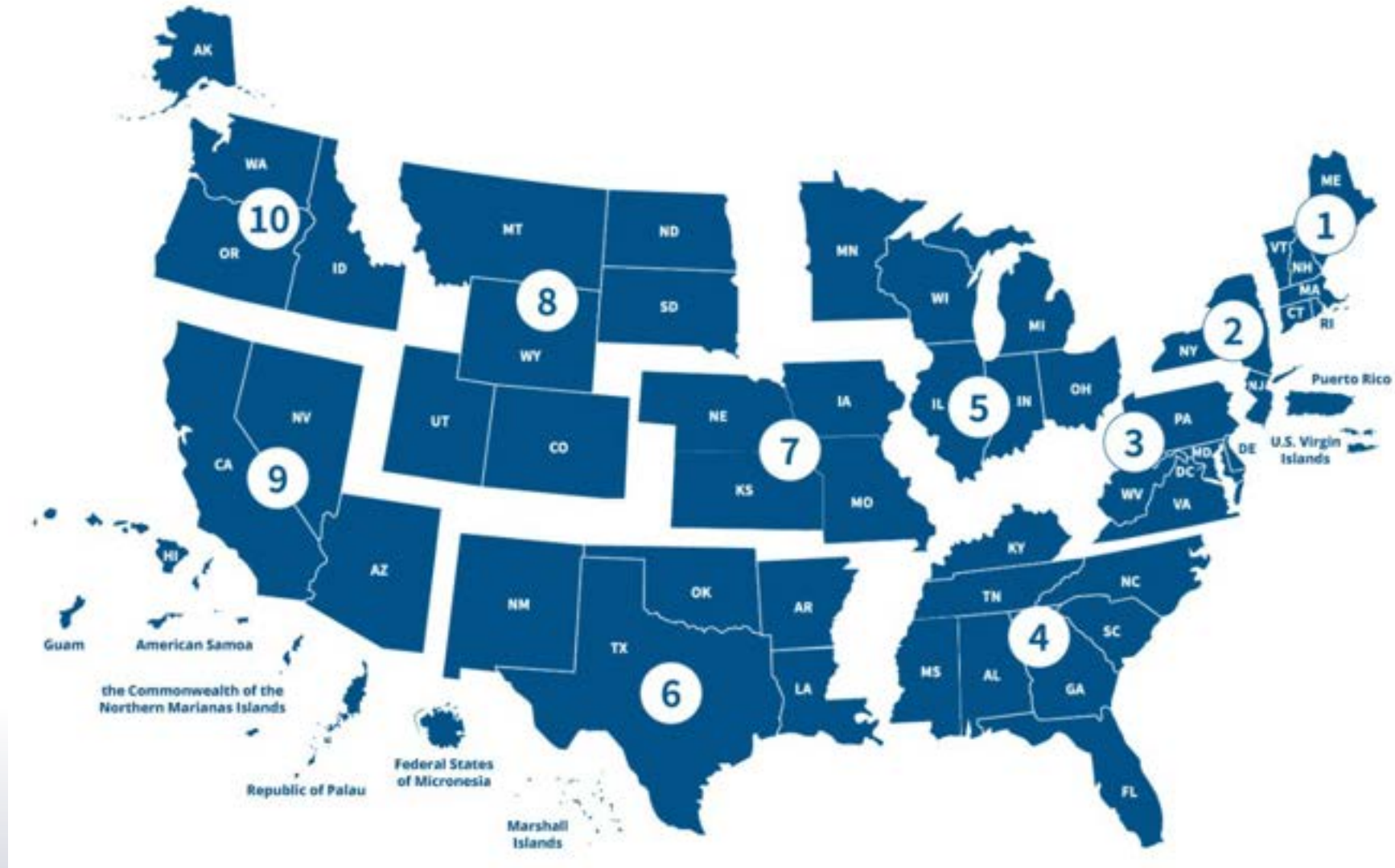
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What region are you from? (PollEv)



- Region 1
- Region 2
- Region 3
- Region 4
- Region 5
- Region 6
- Region 7
- Region 8
- Region 9
- Region 10



Pediatric Disaster Preparedness



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Children in Disasters

- Weather events
 - Hurricanes such as Harvey impacted an estimated 3 million children¹
- Wildfires
 - California fires residents and children were displaced
 - Effects on children with asthma
- Gun Violence
 - Mental health and academic performance
- Floods
 - Loss of life, displacement and mental health

1. Harms, R. (2019, January 28). *Hurricane Harvey's impact revealed the unique needs of children during a disaster*. Children's Recovery ("Hurricane Harvey") blog. Retrieved July 16, 2025, from Children at Risk website: <https://childrenatrisk.org/hurricane-harvey-unique-needs-of-children/>



Gaps in Pediatric Disaster Readiness

2021 NPRP Assessment:

Only 47.5 % of hospitals have a disaster plan that includes pediatric considerations:

- Low Volume Hospitals **38%**
- Medium Volume Hospitals **50%**
- Medium High Volumes **61%**
- High Volume **83%**



Background: 2022-2023 “Tripledemic”



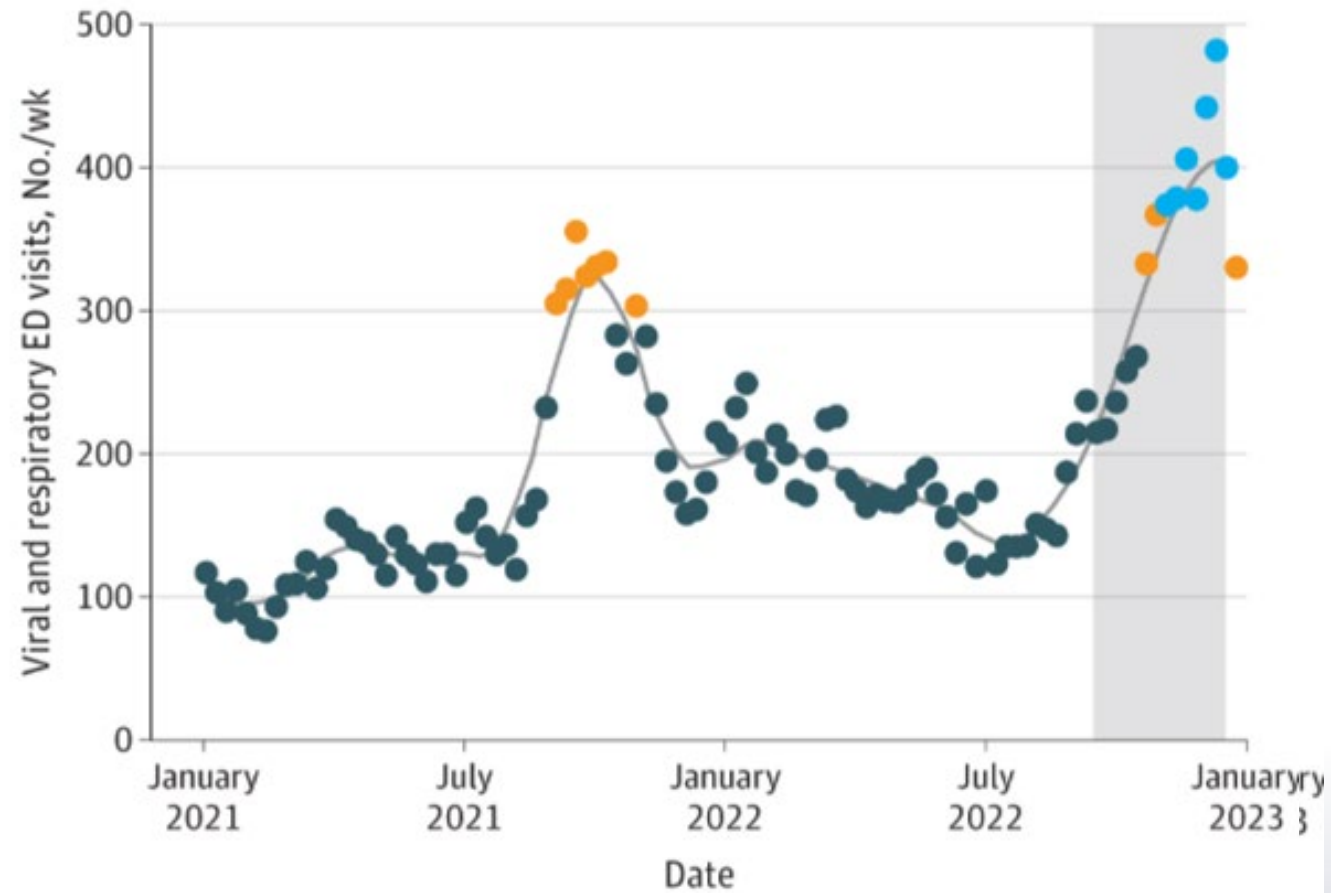
- Winter 2022-2023
- Influenza, Covid-19, RSV “Tripledemic”
- Children’s hospitals at capacity
- Increased ED visits and boarding at general EDs



Background: Tripledemic



D Rural ED (n=6)



Background

- Little is known about the lived experience of pediatric readiness and disaster preparedness at rural and CAH
- Qualitative and mixed-methods research allows us to interview front-line clinicians and medical educators
- Our mixed-method study included a survey and virtual focus groups



Aim

By engaging directly with healthcare providers in CAHs and rural community hospitals, we aimed to identify existing strengths and barriers to effective pediatric preparedness and identify opportunities to enhance CAH and rural hospitals' ability to respond effectively to complex and evolving pediatric emergencies



Methods

- Survey and focus group guide developed by the study team, including qualitative experts
- Snowball and purposive sampling for recruitment
- Survey distributed through EMSC and healthcare coalition email lists, eligible participants identified from rural and CAHs
- Respondents included emergency managers, medical directors, hospital administrators, nurses, and trauma coordinators



Methods: Survey

Survey questions:

- Respondent role
- Hospital characteristics
 - What pediatric chief complaints do they frequently transfer?
- Hospital disaster plan characteristics
- Requested resources
 - Education
 - Clinical guidelines



Methods: Focus Groups

- 5 focus groups, conducted via Zoom
- Facilitated by qualitative experts
- Clarifying questions from study members
- Groups were scheduled for participant convenience
- 19 participants across 5 states from Region V



Methods: Focus Groups

- Focus group recordings were de-identified and transcribed
- Analyzed with mixed-methods analysis software using constant comparative methods
- Codebook developed deductively
- Three qualitative team members coded one focus group independently and reviewed codes for consistency
- The remaining four focus groups were then coded and analyzed for themes



Themes from the Focus Groups

Strengths of Staff and Surrounding Community at Rural & CAHs

Staffing Limitations as a Barrier to Pediatric Education

Desire for Specific Pediatric Resources for Rural & CAHs

Desire for Guidance for Developing Pediatric Disaster Plans



Quotes

“The biggest issue we have is trying to do trainings internally, getting staff willing to become instructors. So, I'm a paramedic that works in the quality department, formerly environmental care. And I'm one of two PALS and ACLS instructors in a 700-person organization.”

“One of the things we struggle with is keeping supplies on hand for pediatrics because you have to buy them in a large quantity. There's not an option to buy small quantities and they're expensive and we expire them out.”

“If we had a surge incident with pediatric patients coming in unidentified or without patients, we don't really have a solid plan in place for that, it's pretty terrifying.”



Quotes



“So, I will reach out to people and they're hesitant to give me any information. Despite being partners because everybody thinks that, "That these are our protocols, these are our babies, they can't leave this content, can't leave this facility.”

“Sometimes I'm in the ER for four hours, sometimes I'm on the floor for the next four hours and then at the end of my shift I'll deliver a baby. So, yeah, we just do a lot of everything.”

“A barrier is that when we go to the larger facility to do that training, we're looked at as lower level. We're asked, oh, you're one of them from that facility, like you don't have anything, or you don't know anything and it's very demeaning.”

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Results



ED has Pediatric Emergency Care Coordinator (PECC)

Pediatrician part of hospital medical staff

Pediatric inpatient capabilities, no PICU

Part of a hospital system

Stand-alone hospital

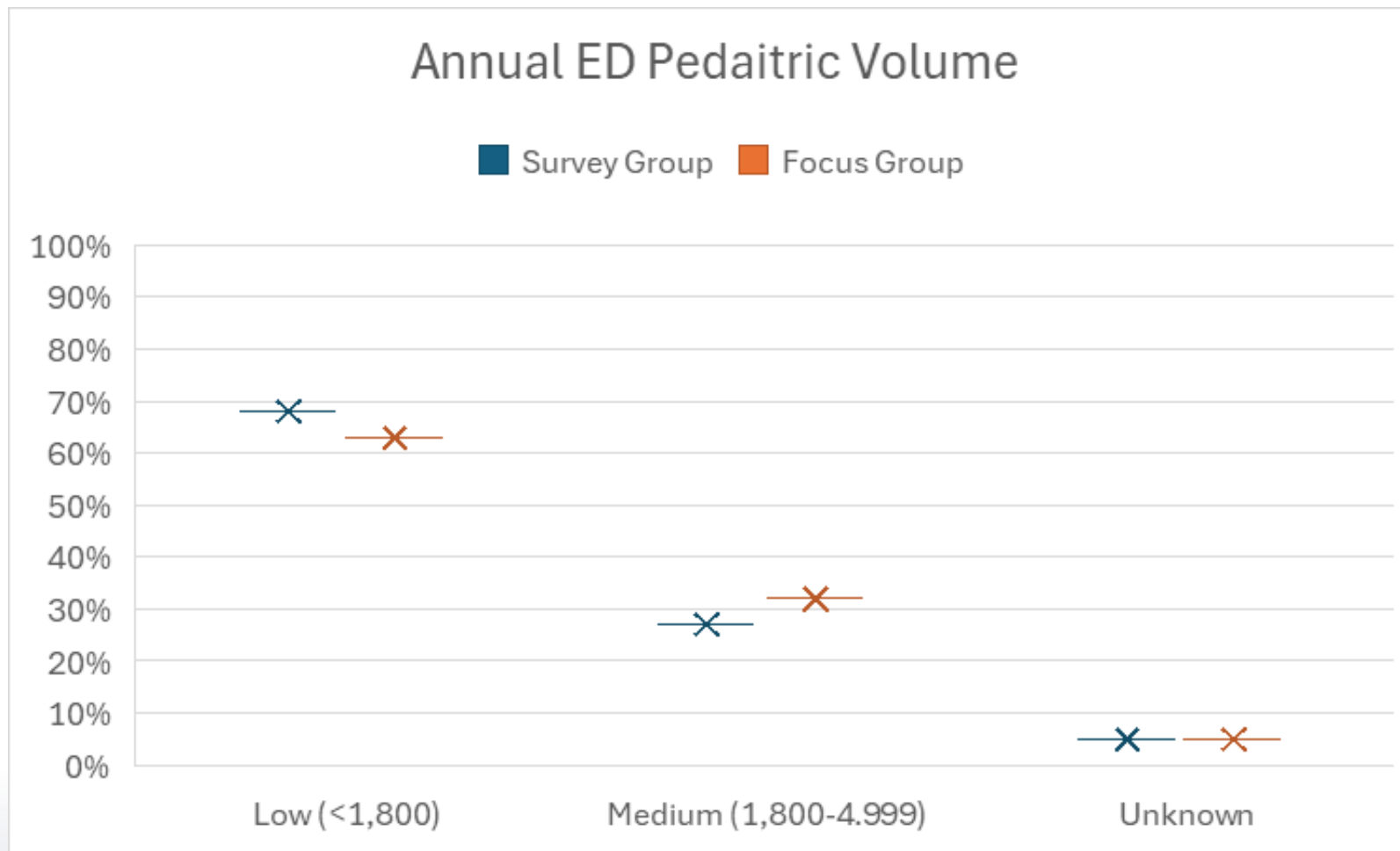
Focus Group (n=19) Survey (n=41)

0% 10% 20% 30% 40% 50% 60% 70%

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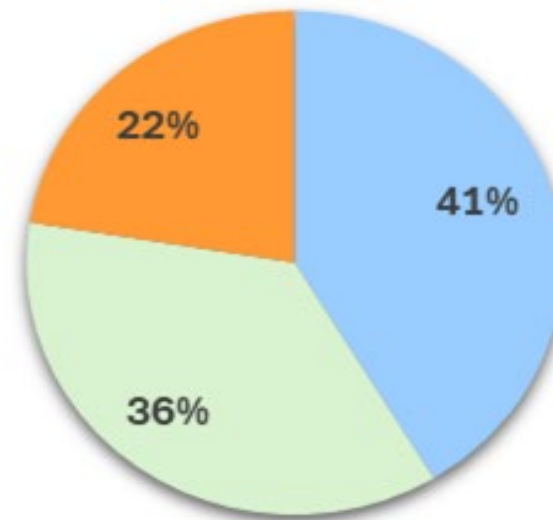
Annual ED Pediatric Volume



Results



Disaster Plan Contains Pedaitric Considerations

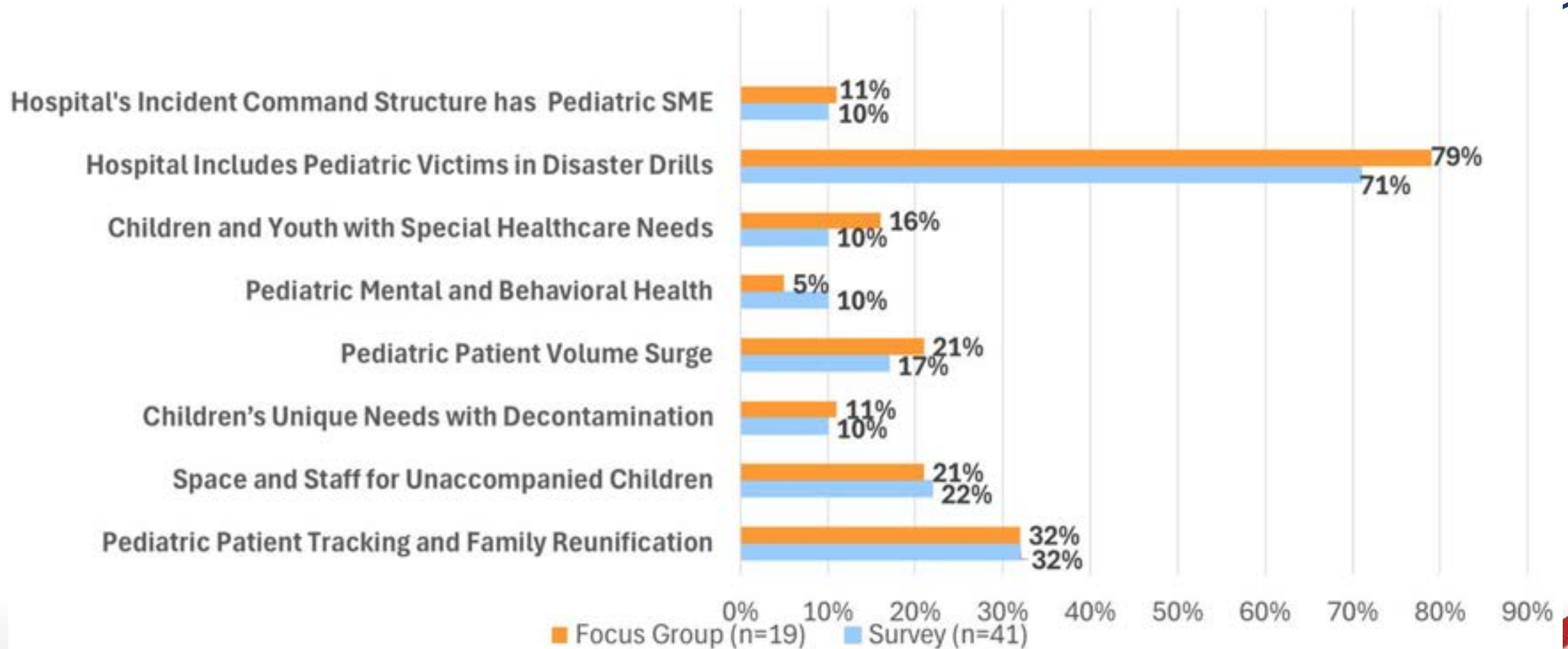


■ Yes ■ No ■ Unsure

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Results



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Requested Resources

**Peds Evidence
Based Protocols**



**Peds Policies &
Procedures**



**Peds Respiratory
Disease**



Peds Trauma



Peds Sepsis



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Resource Development

- What clinical guidelines and pathways currently exist in Region V?
- Are they publicly available?
- Are they relevant to rural and CAH?
- Can they be modified to be relevant to rural and CAH?



Resource Development

- What pediatric emergency medicine educational material is publicly available?
- What pediatric disaster planning material is publicly available?
- Are these resources applicable to rural and CAH?



Conclusions

- Prior quantitative studies have demonstrated significant challenges to pediatric readiness at low volume hospitals
- By engaging with clinicians at these hospitals directly, we have identified facilitators and barriers to pediatric readiness
- These results will be used to develop pediatric resources specifically for rural and CAH EDs





What tips do you have for disseminating information to Rural & Critical Access Hospitals?

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QUESTIONS??

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Resources



Professional Resources



Region V for Kids

#NHCPC25





Strengthening Coalitions Lies Deep in the Heart of Collaboration



Supporting Infant and Young Child Feeding in Emergencies

A Collaborative Approach

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#NH CPC25

Objectives

- Explain the importance of Infant and Young Child Feeding in Emergencies (IYCF-E)
- Describe chest/breastfeeding, lactation and human milk's role in emergencies
- Identify IYCF-E challenges and solutions
- Describe response efforts in Western North Carolina and collaborative efforts of the North Carolina Breastfeeding Coalition SAFE Team during Hurricane Helene

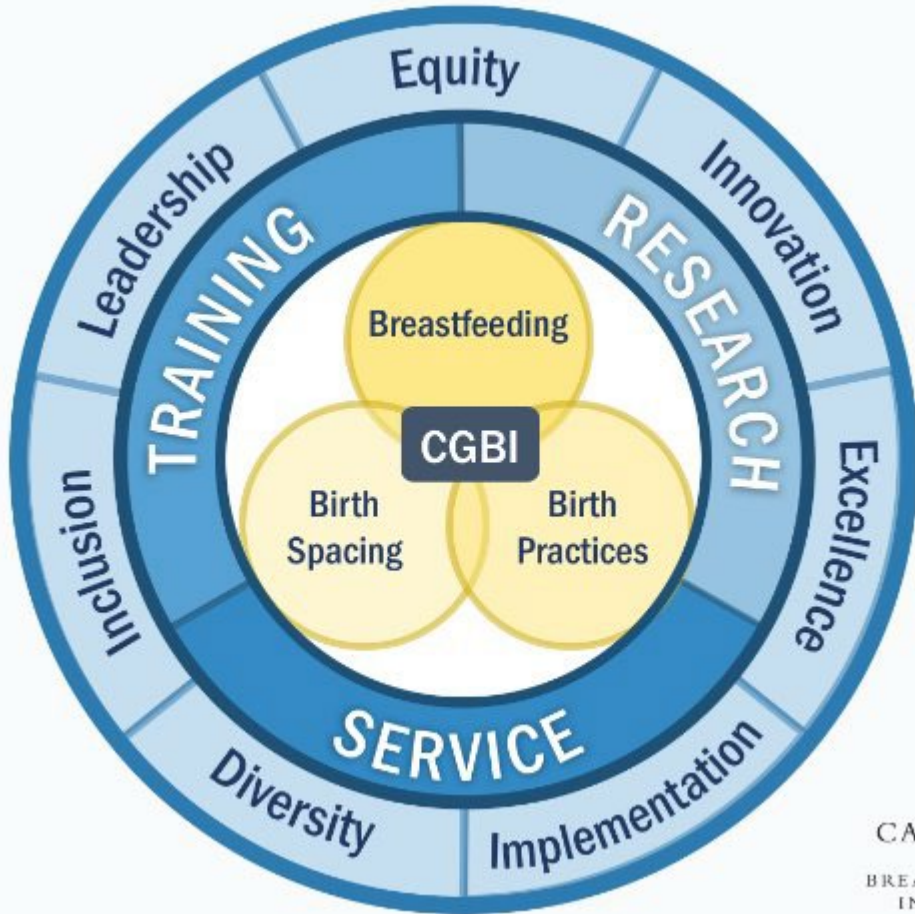


Introductions, Disclosures, and Conflicts of Interest

- We have been personally involved and impacted by numerous disasters, so this is a topic of extreme passion.
- This presentation includes pictures of bottles and teats due to the content and risk of use, not as promotion of bottles/teats.
- Infant and Young Child Feeding in Emergencies efforts include the protection and support of optimal feeding for infants and young children in all types of emergencies globally. This presentation is given by presenters with experience in implementation in the US, mainly in response to weather related disasters.

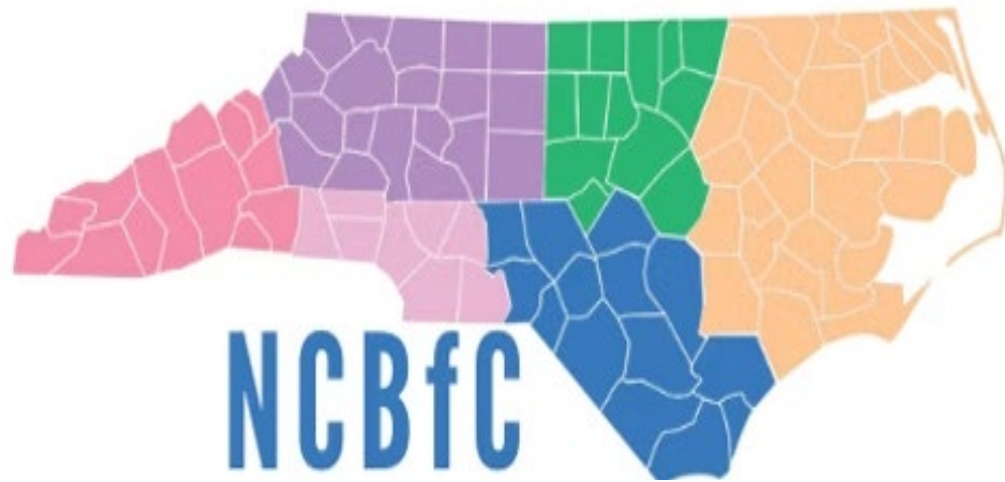


About CGBI



breastfeeding.unc.edu

About the North Carolina Breastfeeding Coalition



Our Vision:

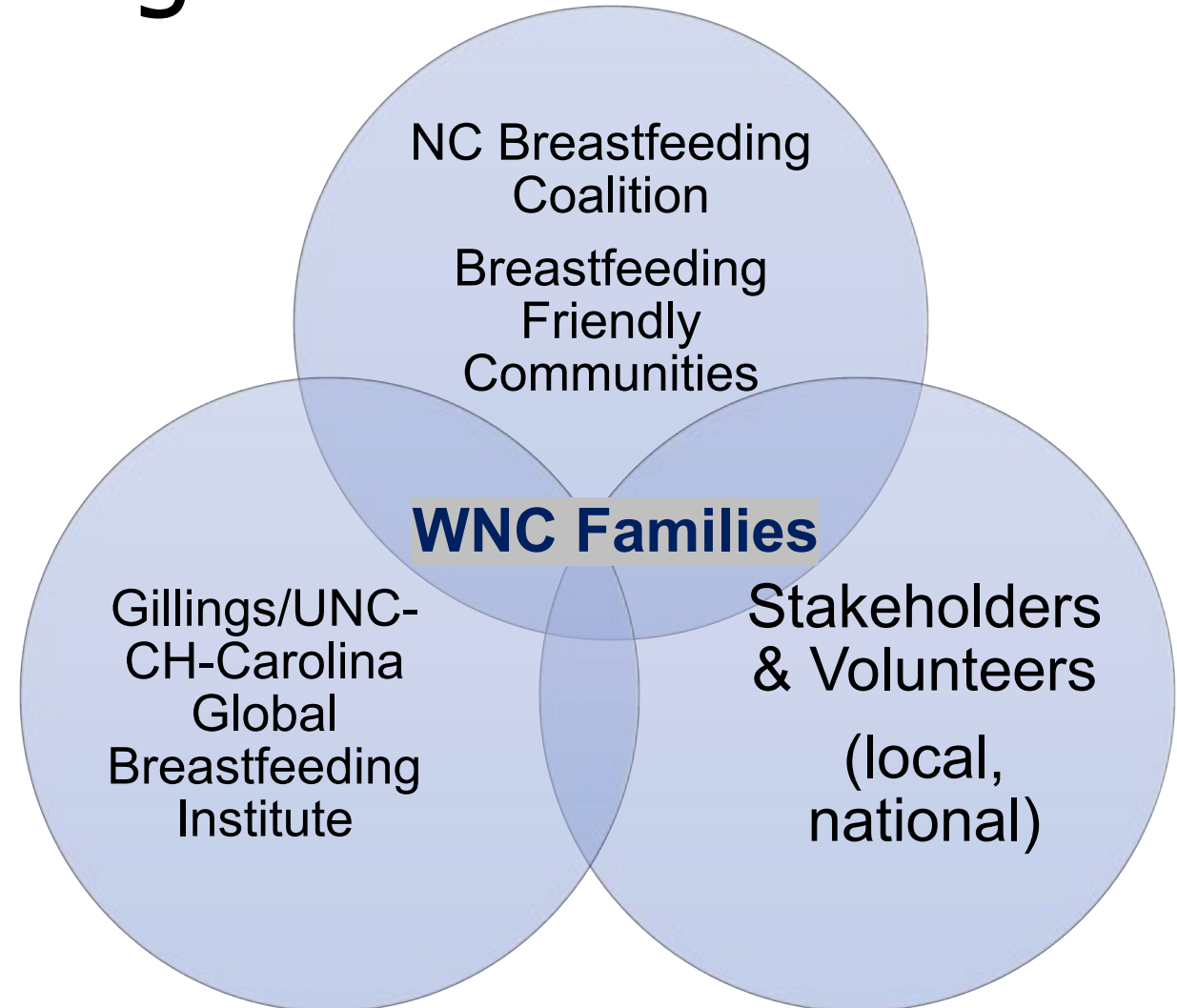
Vibrant communities where breastfeeding and human milk feeding are part of the fabric of life.

Our Mission:

The mission of the NCBC is to promote, protect and support breastfeeding through a cooperative network of individuals, coalitions, agencies, and organizations.

<https://www.ncbfc.org/>

SAFE Team: Support and Advocacy for Infant Feeding in Emergencies



Infant and Young Child Feeding in Emergencies

Definitions, Core Concepts, and Why it Matters

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How would you rate your current knowledge about Infant and Young Child Feeding in Emergencies?

"I'm a newbie here!"

0
Novice

"I'm familiar with concepts, but no experience with application"

1
Basic

"I'm knowledgeable of concepts and have limited experience with application"

2
Intermediate

"Well versed in concepts and firsthand experience in application"

3
Advanced

IYCF (Infant and Young Child Feeding)

Birth up to 11
completed
months of age



Infant

12 to up to 23
completed
months of age



Young Child

Key IYCF Principals for Optimal Feeding

- Human milk feeding within one hour of birth
- Exclusively feeding human milk for the first 6 months of life then provide solid foods when developmentally ready with the continuation of chest/breast/human milk feeding for 2 years and beyond
- Safe infant and young child feeding practices promote the growth, health, and appropriate development



The **first 1000 days** (conception until 2 years of age) is a critical window

Infants, children, pregnant and lactating people are vulnerable to undernutrition especially during emergencies

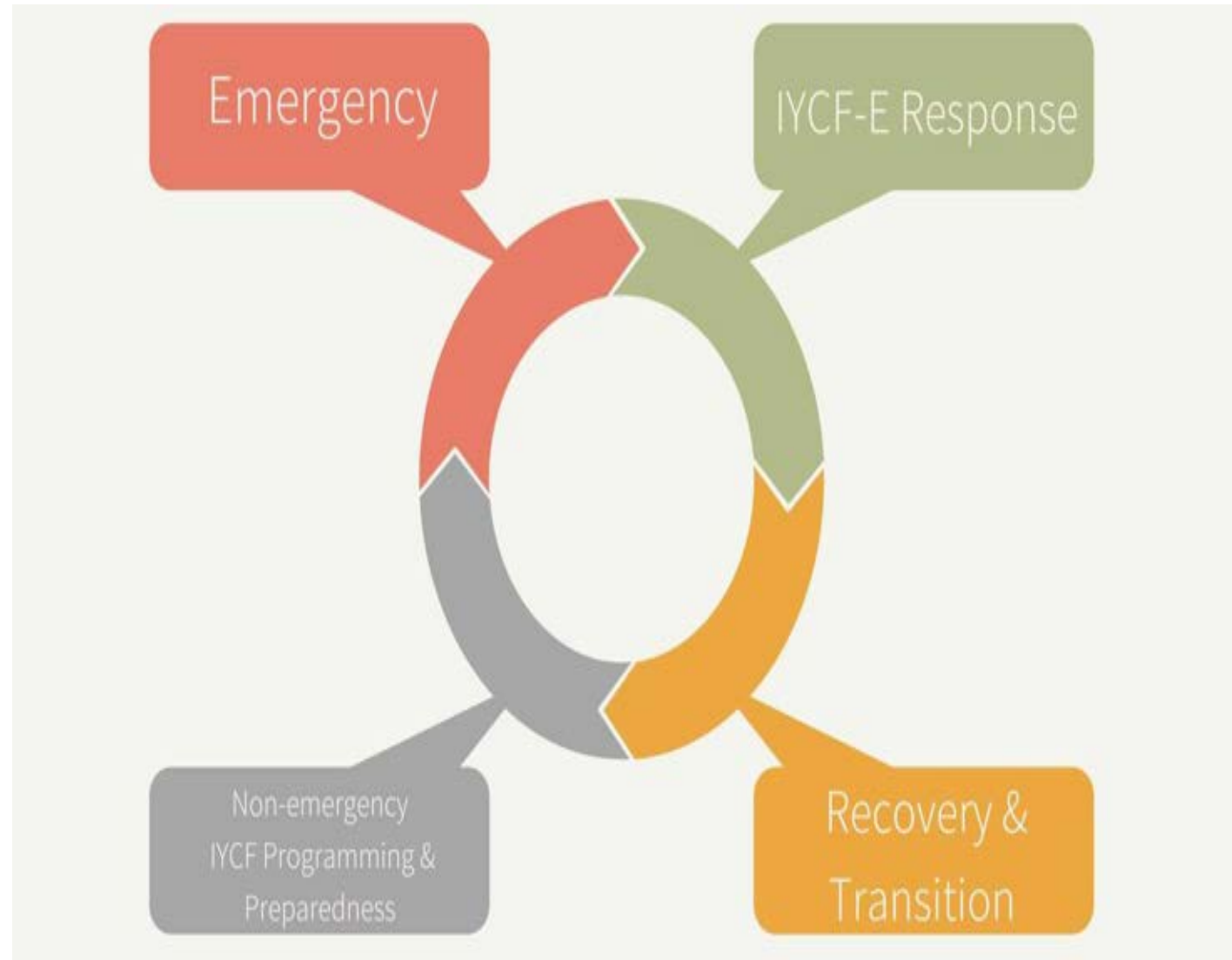
IYCF-E (Infant and Young Child Feeding in Emergencies)

What IYCF-E is:

Protection and support of optimal feeding for infants and young children in all types of emergencies globally

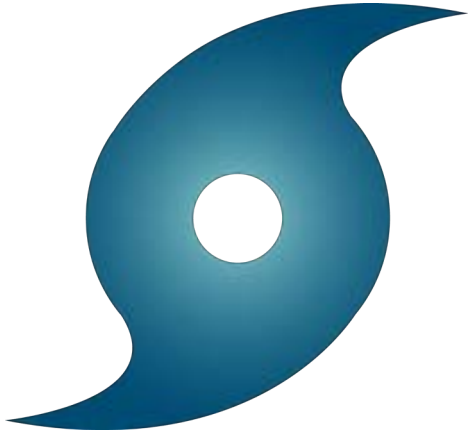
What IYCF-E is NOT:

Coercing people into breastfeeding or making feeding choices that are against or beyond their capacity, circumstance, or individual will



Disasters and Emergencies Happen Everywhere

Natural/ Weather Related



Public Health Emergencies



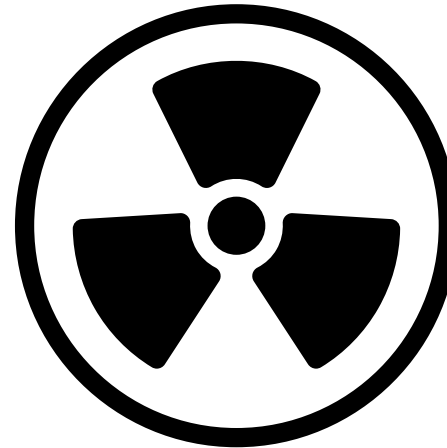
Personal or Family Crisis



Fires



Power Outages

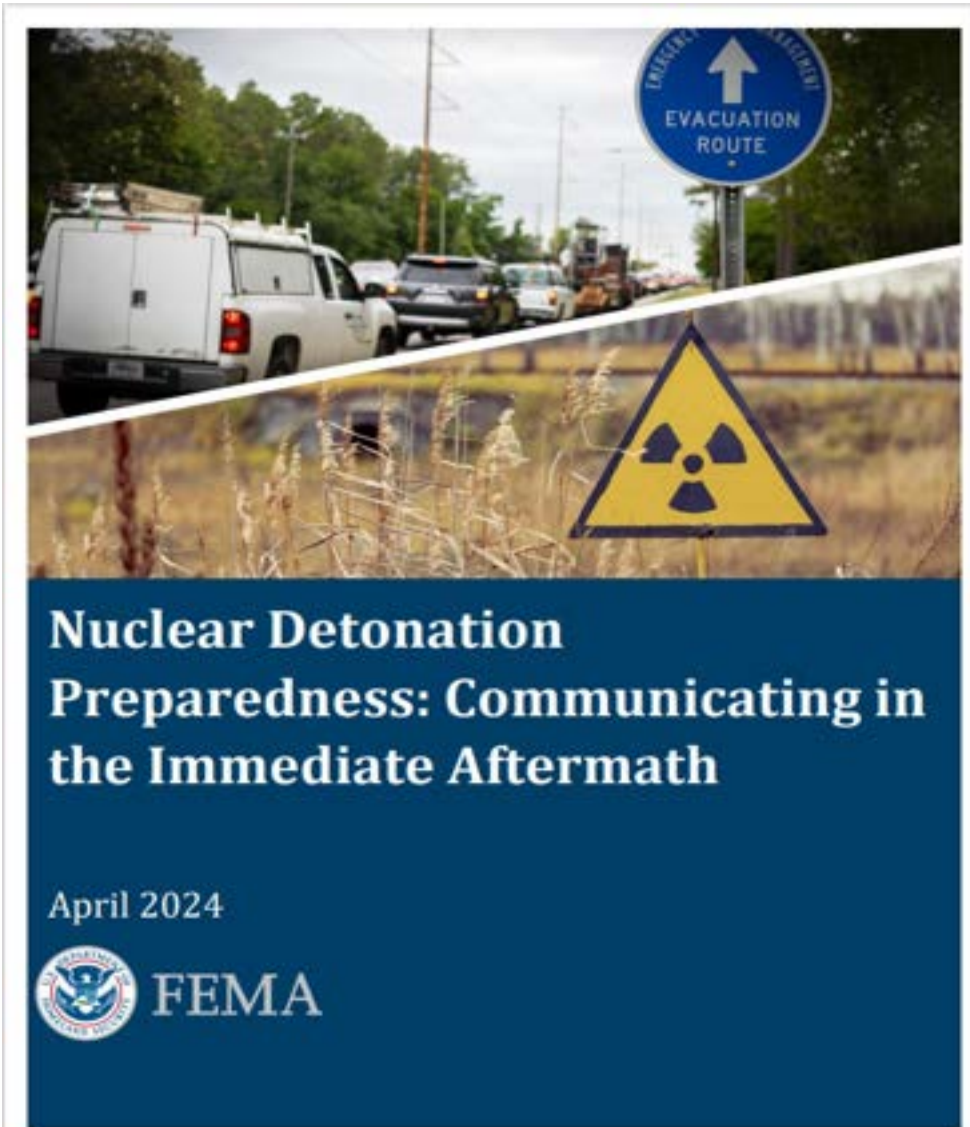


Nuclear/ Radiation

Can you think of others?

What are common disasters that impact your area?

Resource



Chapter 13 includes section on infant feeding and safety

[Nuclear Detonation Preparedness: Communicating in the Immediate Aftermath](#)

Infant and Young Child Feeding in Emergencies (IYCF-E)



Direct chest/ breastfeeding is the **SAFEST** feeding option especially during emergencies

The risk of using commercial infant formula and other feeding **devices** **SIGNIFICANTLY increase** during emergencies and can lead to serious illness



How Do Emergencies Create Challenges for Safe Feeding?

Families can be separated

Loss of clean, private, comfortable places to feed or prepare food

Loss of power creates challenges for storing human milk or commercial infant formula and the ability to use electric breast pumps

Water sanitation concern: preparing formula, food, and proper disinfecting of feeding items

Limited resources: medical aid, food items, supplies

Families that have been marginalized are the most impacted : Emergencies worsen existing disparities in accessing care in resources

Can you think of others?



HOW BREASTFEEDING

SAVES LIVES

“Around the world, infants who are not exclusively breastfed in the first 6 months of life are 14 times more likely to die than exclusively breastfed infants. In complex humanitarian crises and emergencies the risks of not being breastfed are exacerbated.”
(UNICEF)

Risk of diarrheal illness increases 5x for infants during crisis

Emergency conditions increase mortality rates across populations.

Optimal breastfeeding could prevent over **800,000 child deaths annually**, underscoring its critical role in emergency preparedness.



True or False:
**The United States has federal policies
which incorporate IYCF-E principles?**

Show of thumbs

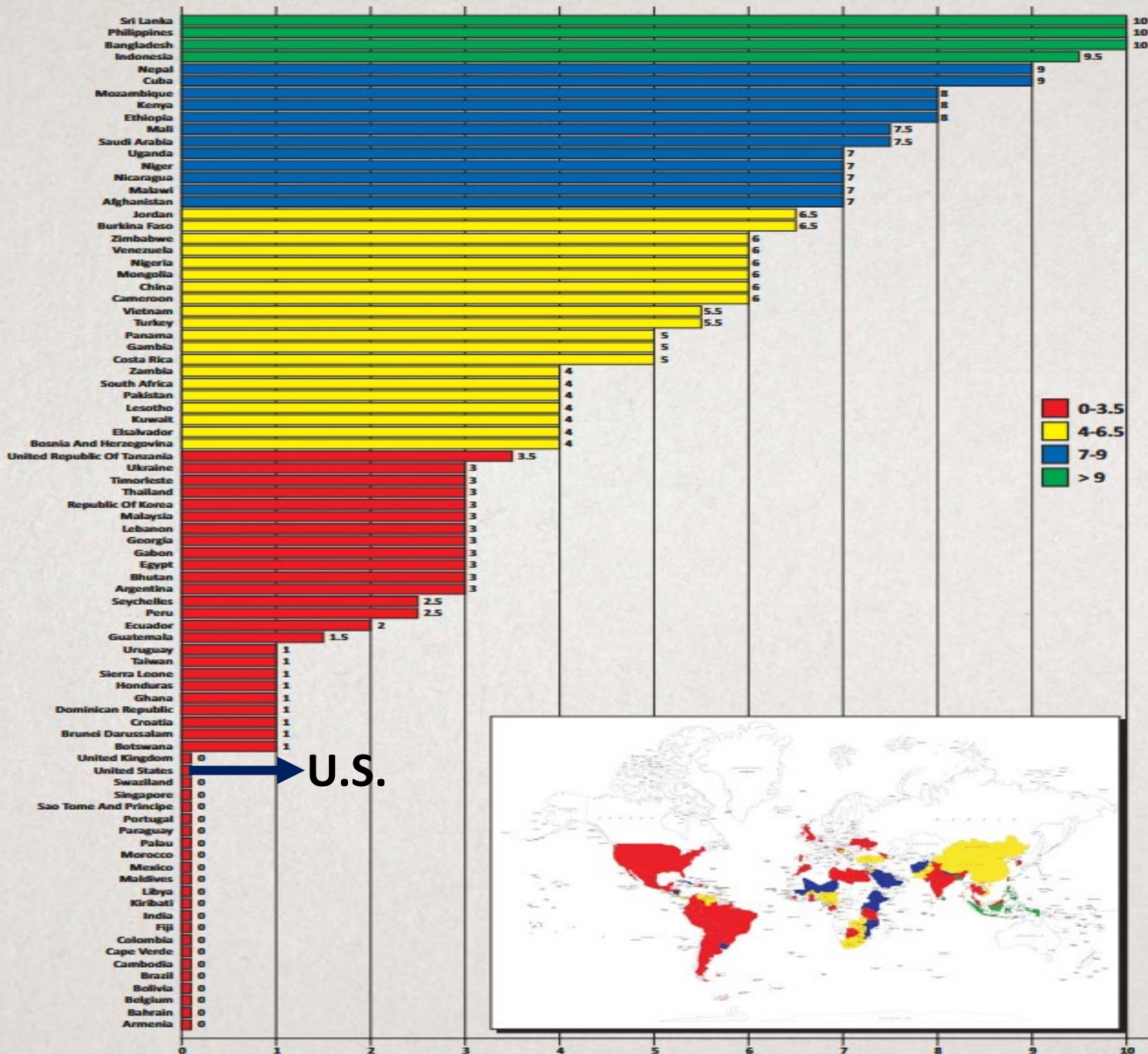


Yes

No



Figure 21: The state of infant feeding during emergencies in 84 countries on a scale of 0-10



- The IYCF-E indicator scored the **lowest average of all indicators** at 3.43 out of 10.
- 4 out of 84 countries scored 9.5-10, having prioritized IYCF-E & included it in their policy on chest/breastfeeding & IYCF.
- The majority, 48 countries are coded red, with the US and 22 other countries scoring zero.
- For the complete 84-country WBTi report, click [here](#).

Lactation Physiology

Hormonally regulated:

Prolactin-"milk maker"

Oxytocin-"milk ejector"

Supply and Demand:

More demand=more supply and vice versa

"Move it or lose it" (*well kinda....*)

Abrupt cessation of breastfeeding/lactation can lead to breast illness and complications

Physiological (engorgement, mastitis, infection)

Psychological (depression, distress, etc.)

Myth Busters

Presenting case:

A person experiencing stress...

Misconception:

Will have their milk "dry up"

Reality:

Can and should chest/breastfeed

A malnourished person...

Will not produce milk or milk will be "suboptimal"

Can and should chest/breastfeed

A crying or irritable infant...

Is hungry

Cries for many reasons & will feel soothed through breastfeeding & closeness

A person in unsanitary conditions...

Will have "bad" milk

Human milk has protective properties

Relactation: Mothers may be able to start breastfeeding again

Nipple stimulation

Milk removal

Monitoring and support from a lactation support provider

Realistic expectation based on individual circumstances

General guidance when troubleshooting feeding plans during emergencies

- Pre-emergency feeding plans should be maintained if they can be done so safely
- Remove barriers and provide support for safest feeding possible on an individual basis
- Mitigate risks and empower caregivers!

Counseling: Emergency vs Non-Emergency

Non-emergency priorities/ approach

L-isten
O-bserve
V-alidate
E-ducate

Grounded in empathetic listening and understanding and centering the needs of nursing dyads and their family

Emergency situations

S-upport
A-ssess
F-eed
E-mpower

As safely as possible →

Empathetic listening, understanding and centering needs are still upheld, but in emergencies, counseling is part of overall risk mitigation and ensuring timely delivery of lifesaving information/supplies

Safety of Feeding

MOST
safe



LEAST
safe

1. Chest/breastfeeding
2. Expressed human milk from mother/lactating parent
3. Expressed donor milk (if available)
4. Ready to feed formula
5. Powdered infant formula
6. Whole cow's milk (**ONLY** for infants older than **6 months of age**)



The use of homemade formulas and staged/toddler commercial formulas are **not** recommended and should be discouraged

Cautions of Concentrated Commercial Infant Formula



- Require additional steps, including proper mixing using safe water
- Packaged similarly to ready-to-feed formula
- Can be very confusing to families
- Can you think of other risks?

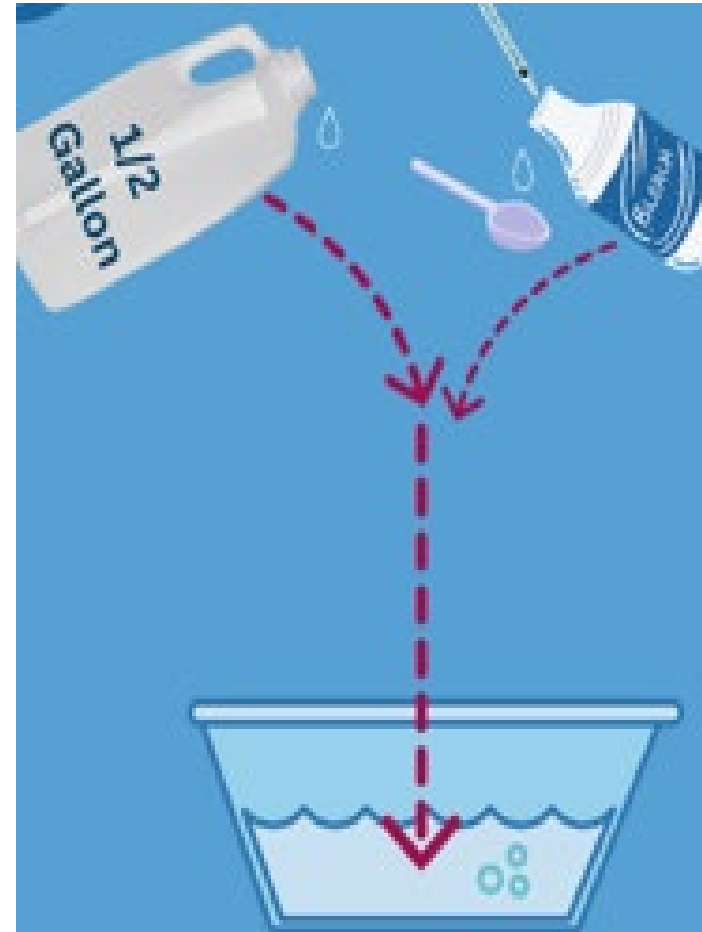
When feeding supplies are used:

Clean



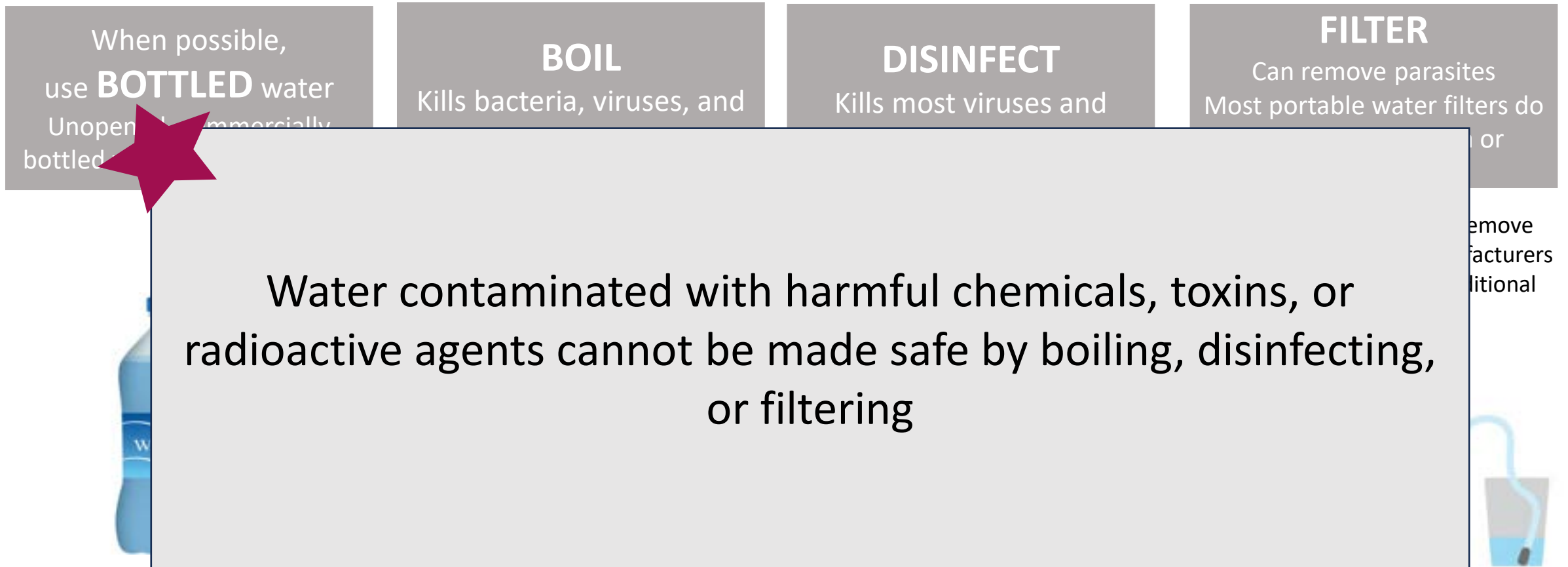
- After every use
- With safe water not used for anything else
- Discard hard to clean and/or contaminated items

Sanitize



- Infants < 2 mos old or sick
- At least 1x per day

Making Water Safe



Water options from **MOST** safe  to **LEAST** safe

Source: <https://www.cdc.gov/water-emergency/media/pdfs/make-water-safe-during-emergency-p.pdf>

Hurricane Response: Feeding Sanitation Kits



Photo Source: NCBfC SAFE Team

Community Milk Sharing: Tips to minimize risks

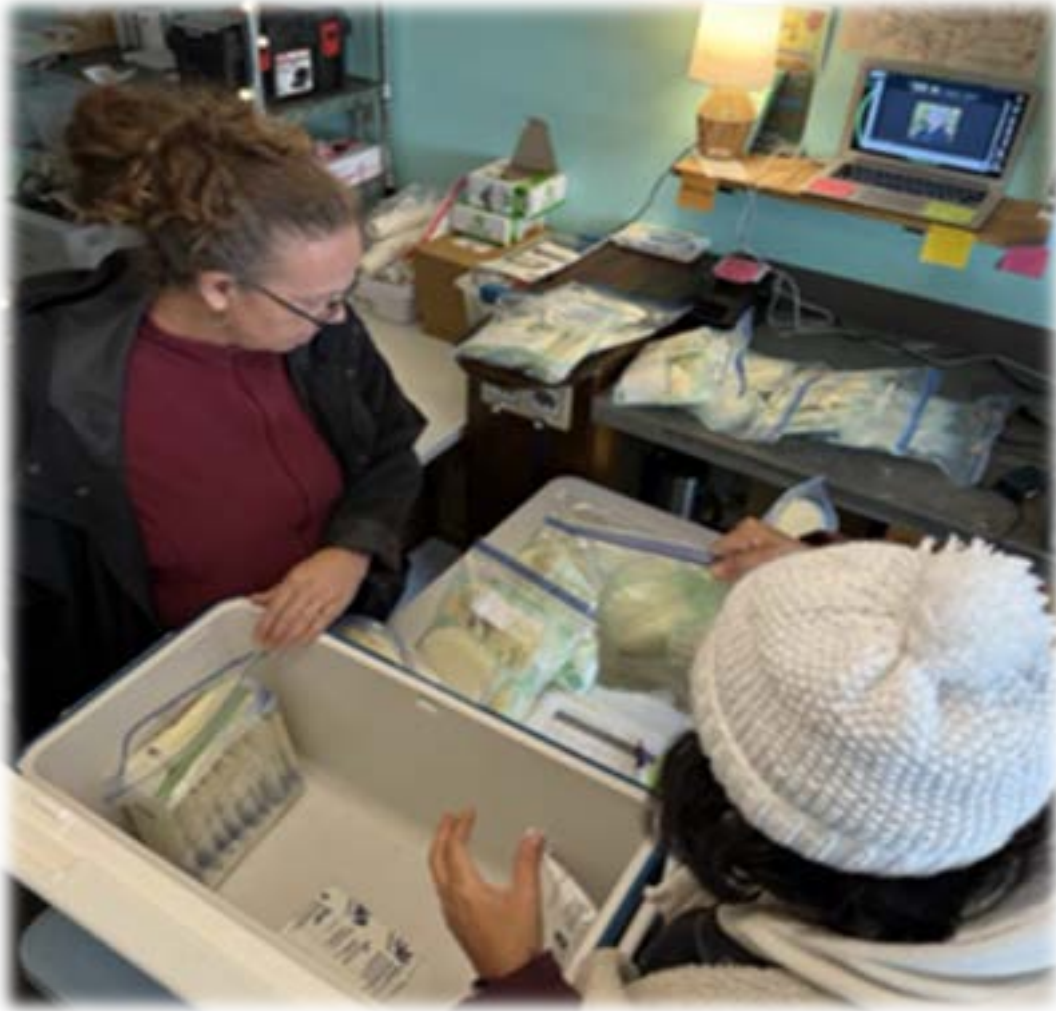


Photo Source: NCBfC SAFE Team

- Know donor's health and lifestyle
- Know who shouldn't donate human milk
- Have a screening process in place
- Connect donors with recipients
- Work with donors to ensure that human milk is handled stored and transported safely
- Advise families NOT to purchase human milk online

Source: [PSBC Family Information: Informal \(Peer-to-Peer\) Milk Sharing](#)

Hurricane Helene and Western North Carolina Response

SAFE Team Formation and Outcomes

Love Anderson

CEO Breastfeeding Friendly Communities

Chair, NCBfC

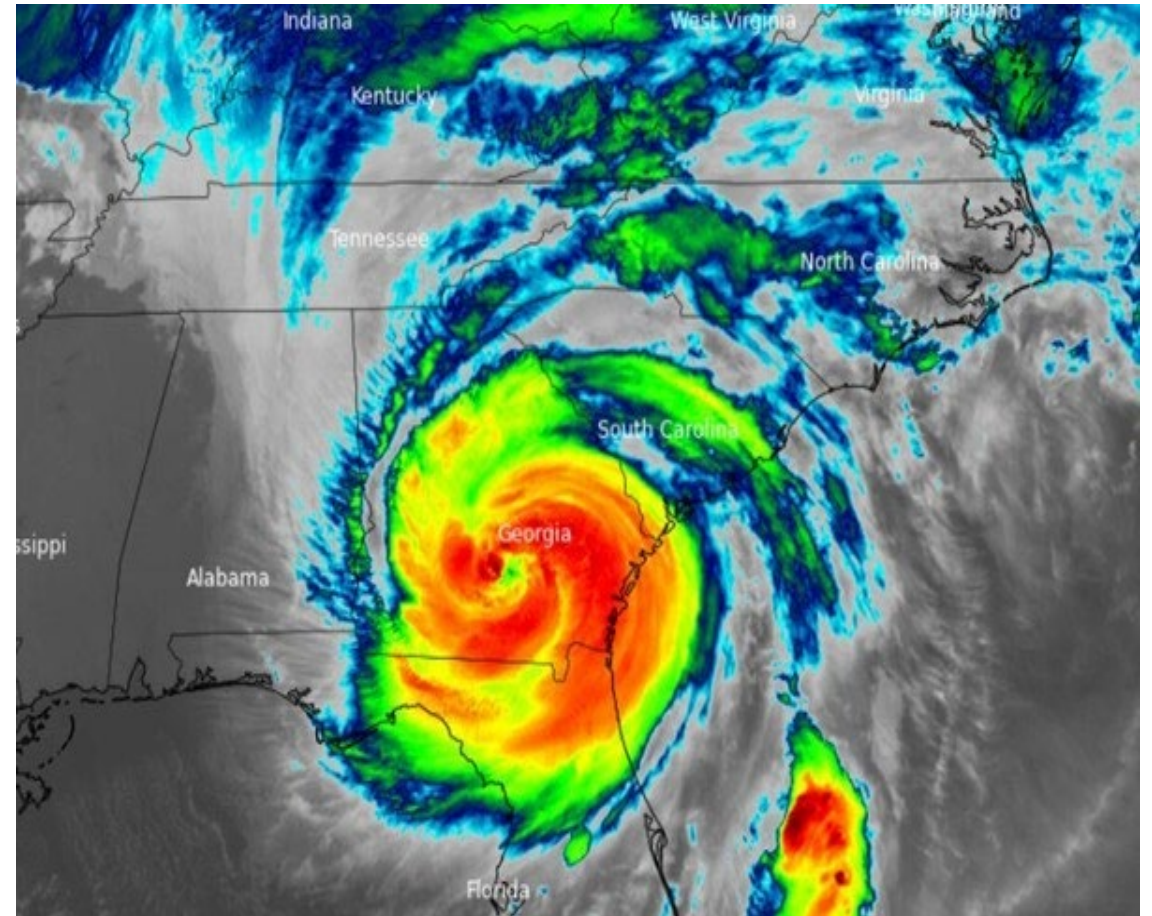
Love@breastfeedingcommunities.org

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Setting the Scene: Hurricane Helene

- Landfall in Florida Big Bend Region as category 4
- Catastrophic flooding, storm surge and tornadoes devastating southeastern U.S. and southern Appalachians
- 249 fatalities=Deadliest hurricane in the contiguous U.S. since Katrina in 2005



https://www.nhc.noaa.gov/data/tcr/AL092024_Helene.pdf

Hurricane Helene: Western North Carolina (WNC)



- Unprecedented and unexpected devastation
- People and communities without basic needs for survival
- Immediate infant feeding crisis

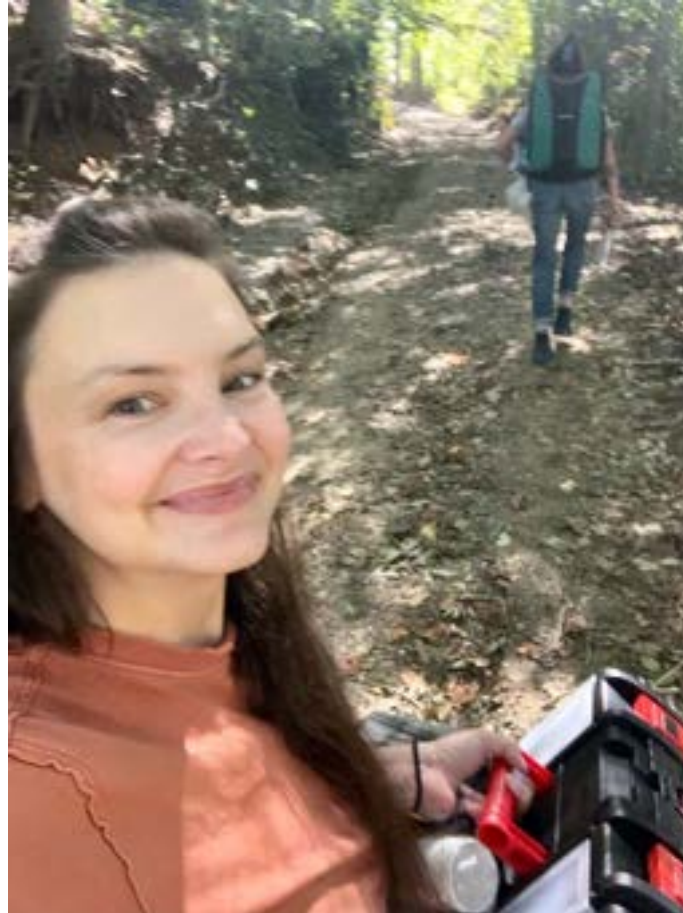


Flooding from the Swannanoa and French Broad rivers in Biltmore Village in Asheville, NC after Helene swept through on 27 September 2024. Image courtesy of Colby Rabon and the Carolina Public Press.

Community-led response began within hours



[Read full story here](#)



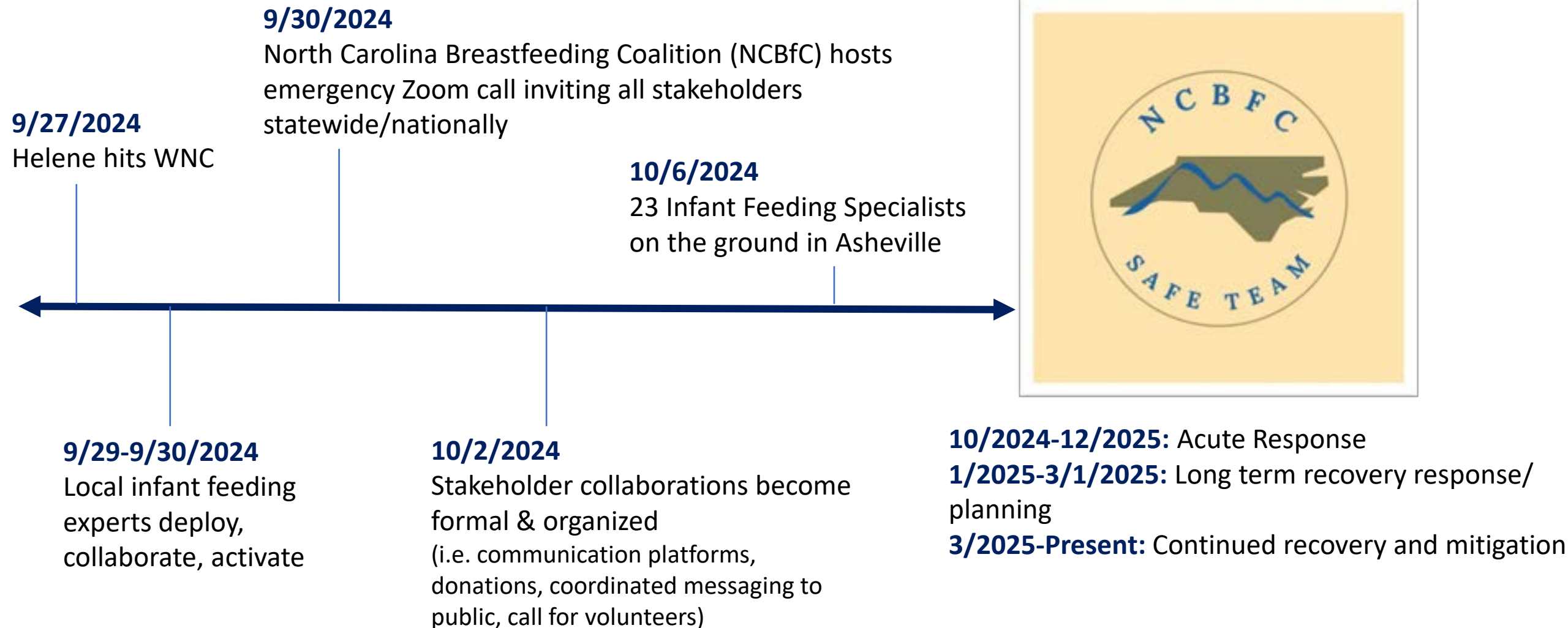
Brandi Harrison and Jayne Carpenter hike uphill to deliver supplies and support to families who are stranded.



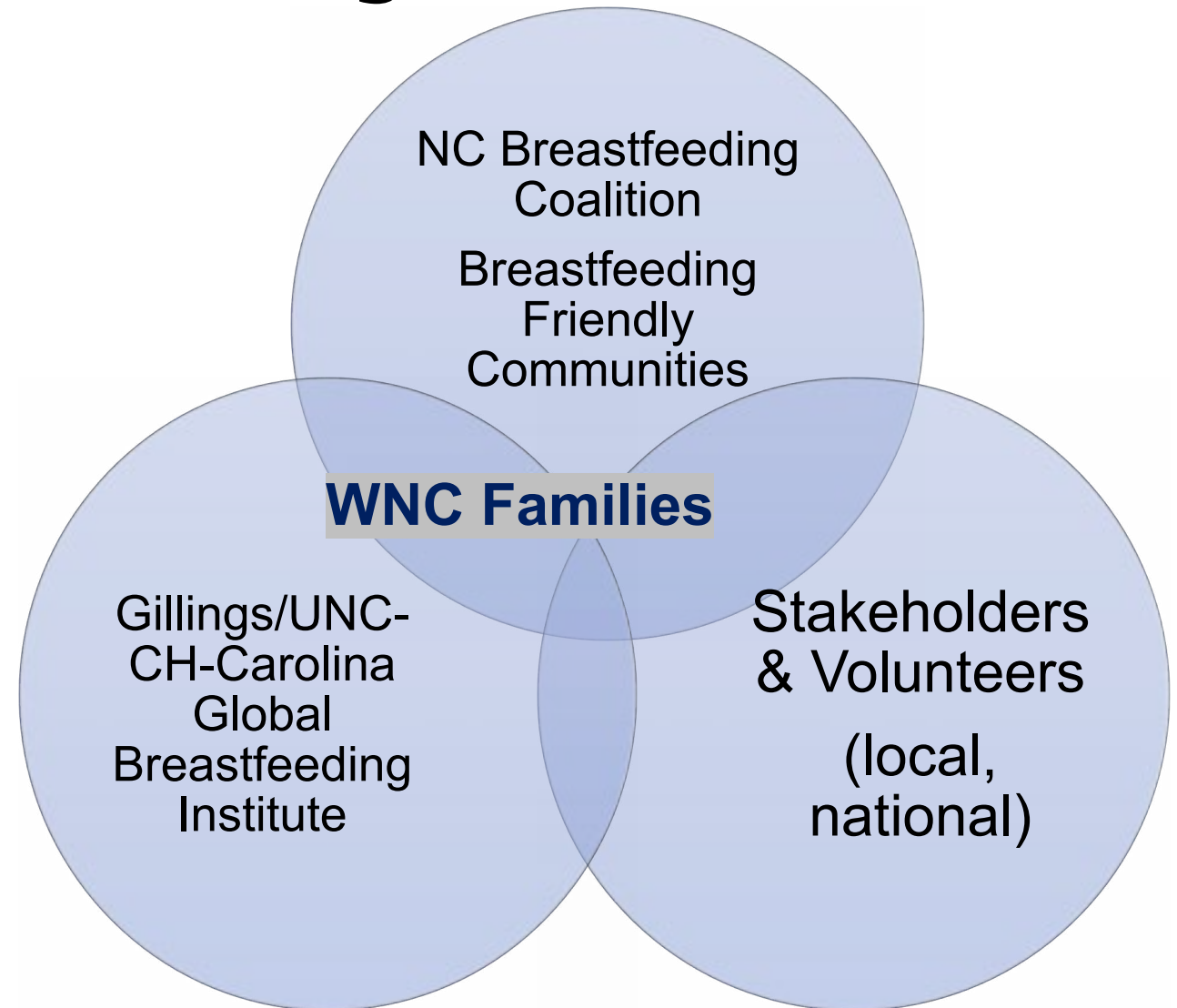
Volunteers assemble cleaning/sanitizing kits for families with infants and young children



Infant Feeding Response Timeline:



SAFE Team: Support and Advocacy for Infant Feeding in Emergencies



Training as a response strategy in WNC

eLearning Modules (asynchronous)



Introduction to IYCF-E

Feeding Basics

Ideally, prior to arrival, but
maybe done as review while
onsite

“Classroom” Training & Interactive Skills Practice



Immersive Application in Community



Assembling & delivering
supplies/resources



Offering a helping hand and
providing care/counsel

Documenting Training Progress, Reflections, and Questions



SAFE Training™ Learning Packet

Training in action:



SAFE Impact Since September 2024

- Facilitated **250,000 oz** of human milk, equivalent to 83,000 infant meals
- Distributed **7,000+** sanitation kits
- Conducted **5,000+** rapid needs assessments
- Trained **500+** emergency and perinatal support personnel
- Directly supported **~260** individual feeding visits
- Collaborated with **~300** relief organizations
- Shared **countless** infant carriers

Lessons Learned and Action Ideas

What is needed to inform, advocate and implement change

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Donation Control is VERY important

Your Trash



Treasure



Ideas

Clear messaging and communication strategies about feeding donations

Organizational policy statement on feeding donations

Processes for intercepting unsafe donations

Can you think of others?



What First Responders Need to Know

Food security INCLUDES infant feeding

Prepared communities respond better

Peer-to-peer and community support is important and powerful

Networking is not “fluff”—it’s survival

Cultural humility and equitable practices are essential. Emergencies expose inequities!

Repositories/ resource lists of support contacts within community and surrounding areas is essential

What's still missing?

Awareness

Advocacy

IYCF-E training and
education

Lactation support providers/
infant feeding specialists part
of response team &
deployment processes

Long-term policy and funding
support and investment



What else?

Can you think of
others?

How to get involved and connected:

- Local and state breastfeeding coalitions
- Become a member of your state/ local [VOAD](#) (Voluntary Organizations Active in Disaster) or COAD (Community Organization Active in Disaster)
 - [NYVOAD and Resources](#)
- Local and state emergency response and preparedness, Departments of Health
- Know your community key players and collaborate
- Do not underestimate the power of networking and collaboration opportunities!
- Do the preparation work in the off season-be proactive, not reactive
- Support key legislation and policy:
 - United States Breastfeeding Committee
 - Global Breastfeeding Collective (WHO and UNICEF)
- Organizations dedicated to IYCF-E
 - [IFE Core Group](#)
 - [Save the Children](#)
 - [ASI-Alimentacion Segura Infantil \(Puerto Rico\)](#)

What questions do you have?

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[North Carolina Breastfeeding Coalition | breastfeeding advocacy and awareness](#)

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[Resources - UNC Gillings School of Global Public Health](#)

References

Aunchalee E.L. Palmquist, PhD, MA, IBCLC, Presentation, Foundations of Lactation Counseling, Jan. 2022

Aunchalee E.L. Palmquist, PhD, MA, IBCLC, Presentation, Mitigating the Risks of Formula Feeding, Jan. 2022

CDC. (2024a). *How to Make Water Safe in an Emergency*. Water, Sanitation, and Hygiene (WASH)-Related Emergencies and Outbreaks. <https://www.cdc.gov/water-emergency/about/index.html>

CDC. (2024b). *Infant and Young Child Feeding in Emergencies Toolkit*. Infant and Child Feeding in Emergencies. <https://www.cdc.gov/infant-feeding-emergencies-toolkit/php/index.html>

CDC. (2024c, April 4). *How to Clean Infant Feeding Items During Emergencies*. Infant and Child Feeding in Emergencies. <https://www.cdc.gov/infant-feeding-emergencies-toolkit/php/how-to-clean-infant-feeding-items-during-emergencies.html>

Operational Guidance on Infant Feeding in Emergencies (OG-IFE) version 3.0 (Oct 2017). (2017). Ennonline.net. <https://www.ennonline.net/resources/operationalguidancev32017>

In a Natural Disaster or Public Health Emergency. (2020). <https://downloads.aap.org/AAP/PDF/DisasterFactSheet6-2020.pdf>

SAFE Infant Feeding | ncbc. (2024). Ncbc. <https://www.ncbfc.org/safe>

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Strengthening Coalitions Lies Deep in the Heart of Collaboration



Presented By:



TRANSFORMATIVE PEDIATRIC & SURGE READINESS:

**Catastrophic Capable
in Changing Landscape
SAVES LIVES**

Cynthia Frankel, RN, MN

#NHCPC25

TRANSFORMATIVE PEDIATRIC & SURGE READINESS: Catastrophic Capable in Changing Landscape SAVES LIVES

RAISING THE BAR WITH COLLECTIVE MOMENTUM



CYNTHIA FRANKEL, RN, MN

EMS-C, PEDIATRIC SURGE LEAD , REDDINET, & EMS COORDINATOR, ALAMEDA COUNTY EMERGENCY MEDICAL SERVICES
EXECUTIVE COMMITTEE ADVISOR, EMS LIAISON, NATIONAL PEDIATRIC DISASTER COALITION

PRESENTERS

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 - Disaster Preparedness Healthcare Coalition (DPHC), Alameda County EMS, California
 - Advisor to Executive Committee, National Pediatric Disaster Coalition
 - Contributes to ASPR Western Regional Alliance for Pediatric Emergency Management
 - California EMSC Technical Advisory Committee
- 
- SHIRA A. SCHLESINGER, MD, MPH, FACEP, FAEMS
 - Director of Education & Innovation, Los Angeles County EMS Agency
 - Program Director, Harbor-UCLA - L.A. County EMS Fellowship
 - Emergency Medicine Faculty Harbor-UCLA Medical Center
 - Medical Director, Newport Beach Fire Department.
 - Chair, California EMS for Children Technical Advisory Committee
 - Co-Vice Chair, ACEP EMS Committee
 - Board of Directors of the Council of Accreditation of EMS Programs.



DISCLOSURES



WESTERN REGIONAL ALLIANCE PEDIATRIC EMERGENCY MANAGEMENT (WRAP-EM)

- Funded through the ASPR Pediatric Center of Excellence
 - Includes WA, OR, CA, NV, AZ, & UT
- Select projects described were supported by Award Number 6 U3REP190616-01-02 from the Office of the Assistant Secretary for Preparedness and Response (ASPR).

The contents are solely the responsibility of the authors and do not necessarily represent the official views of the National Pediatric Disaster Coalition (NPDC), WRAP-EM, ASPR, Department of Health and Human Services, and the Pediatric Pandemic Network (PPN).

COLLECTIVE DELIVERABLES

- Identifying Pediatric Surge Planning Gaps & Solutions
- Optimizing Access to Best Practices for Multi-Jurisdiction Pediatric Surge PLANS
 - Maximizing Readiness & Response Capabilities

RAISING THE BAR: PEDIATRIC SURGE CATASTROPHIC CAPABLE

TRANSLATING MULTI-LEVEL READINESS PLANS INTO EFFECTIVE OPERATIONAL ACTION

TARGET GROUP: EMS for Children (EMS-C), HCC Coalitions, Hospitals, & EMS Providers

GOAL: To **strengthen & increase health care system** children's **surge response capability & capacity across state, multi-jurisdiction & health system boundaries & borders**

- Prioritize children in changing landscape

MISSION: To **inspire & leverage** surge & disaster pediatric preparedness plan implementation & **response capability**

- **Using collective state & multi-jurisdiction pediatric champions & partners**
- Resulting in response that matches resources to needs for best outcomes



<https://www.canva.com>

GOALS

DRIVING READINESS & ACTION IN DYNAMIC TIMES

- ➔ 1. Share proposed **“Pediatric Readiness, Surge, & Disaster”** components & resources — **to reframe inclusive & effective pediatric surge plans** & enable optimal health system pediatric surge response
2. Provide **multiple approaches, strategies with benchmarks, & pediatric SME alliances** to support health system plan development & **disaster-resilient health care systems**
- ➔ 3. Facilitate **transformative & sustainable pediatric readiness & surge response recommendations & tools** to support Local Concept of Operations (CONOPs)

<https://www.canva.com>



The Perfect Storm in Pediatric Emergency Care

EMS & Hospital Challenges

- **Children NOT on hospital's RADAR screen on day-to-day & surge events**
- • **Pediatric Center Care “hyper-regionalized”**
 - Staffing challenges
- Increased transfers to pediatric regional centers
- **Community Hospital Reduced inpatient pediatric capability** but expanded NICU
- • **Limited Transportation Resources**
 - Competing shared 911 & Inter-Facility
 - Transport (IFT) Demands
- **Tertiary pediatric resource limited** (including specialty pediatric burn centers & concentration in urban hubs)



Adapted & Courtesy - Gausche-Hill M. [Emergency and Definitive Care for Children in the United States: The Perfect Storm](#). *Pediatrics*. 2020 Jan;145(1). PMID: 31882441

DISASTERS

TREAT VICTIMS OF ALL AGES

Pediatric population a challenge — physiologically vulnerable

- NOT SMALL ADULTS - 25% of Population
- Developmental differences - lack motor skills to escape
- **Lack cognitive decision-making skills**
- Vulnerable to aerosolized biological/chemical agents
- **Children may be soft targets**
- Pediatric psychological triage difficult
- **Children will be disproportionately affected**
- Benign Neglect

– Previous National Commission on Children & Disasters Report

Expect children to be impacted in high-consequence disasters



<https://www.canva.com/>



FIRES & RISK TO CHILDREN

EMS & Hospital Challenges 1/8/2025

Eaton Canyon Fire

What is happening with the children & healthcare system?



A firefighter battles the Eaton Fire on January 8 in Altadena, California. Ethan Swoopes/AP



Robert Grant packed these items for his 4-year-old daughter who has a severe type of asthma to evacuate from California. A former pediatric nurse in Redding, recent arrival to Los Angeles.

HEALTHCARE
EXECUTIVE

CNN Health



Los Angeles area fires affect hospitals, delaying surgeries and closing clinics

January 10, 2025
By Ben Southwick

Foster Youth in Residential Treatment Forced to Flee Los Angeles Fires in Yet Another Displacement

BY SARA TIANO



WYOMING STREET NEWS
SCHOOLS DESTROYED IN WILDFIRES
LOS ANGELES, CA

Fires Burn Los Angeles Schools and Destroy Outdoor Education Sanctuaries

The wildfires tearing through Los Angeles have taken lives and thousands of homes.

By Associated Press — JAN 10, 2025, 4:10 PM PST

Doctors, nurses press ahead as wildfires strain Los Angeles' health care

By Kenneth J. Hultman and Mike Quade for CNN, CNN Health News and Getty Images. Los Angeles fires: An 8.0-magnitude quake — January 10, 2025, 11:00 AM PST. Jan. 10, 2025.

SUPPLY CHAIN ISSUES: IV SOLUTION SHORTAGE

WHAT HAPPENED?

Specialty Children's Hospitals Prioritized

➔ Baxter's North Cove facility produces **60%** of nations & peritoneal dialysis solution

- Facility's production halted.
- Employees were unaccounted for.
- Flooding & infrastructure breakdown

➔ 9/26/2024 - Category 4 hurricane named Helene made land fall near Perry, Florida.



SEVERE STORMS & CATASTROPHIC FLOODING IN CENTRAL TEXAS

JULY 2025 - IMPACTING CHILDREN IN GUADALUPE RIVER BASIN

HOSPITAL NEAR MISSES & CHALLENGES:

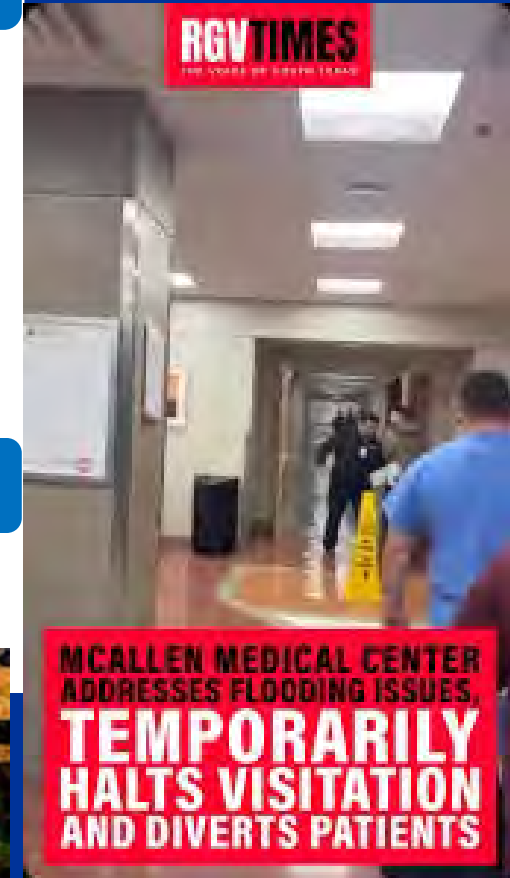
- **Select hospitals & health facilities required evacuation & relocation due to flooding.**
- While remaining operational, many local healthcare providers expressed serious concerns & relied on mobile clinics to reach affected populations.
- **Challenges included potential disruption of supply chains, power outages affecting medical equipment dependent on electricity, & difficulties in accessing healthcare** - potential for long-term health impacts (e.g. chronic & respiratory illnesses due to mold growth in flooded areas).
- **Children face increased risks for depression, anxiety, & post-traumatic stress symptoms due to disruption, displacement, & parental stress**

POSITIVE ASPECTS & RESPONSE:

- **Hospitals in affected areas demonstrated resilience & continued to operate.**
- Direct Relief delivered over medical aid to healthcare providers, including medications for chronic conditions, & other essential supplies.

<https://www.cnn.com/2025/07/09/health/anxiety-summer-camps-texas-flooding-wellness>

<https://www.cnn.com/2025/07/05/us/gallery/deadly-flooding-texas>



H5N1 Pediatric Risk

EMS & Hospital Challenges

U.N. agency warns bird flu spreading at 'unprecedented' scale, calls for global response

A United Nations health agency has called the spread of H5N1 bird flu "unprecedented" and called on world leaders to coordinate a global response.

By Chris Benson, UPI

Published Mar 16, 2025, 9:08 AM EDT | Updated Mar 16, 2025, 9:08 AM EDT

Current antivirals likely less effective against severe infection caused by bird flu in cows' milk

Scientists at St. Jude Children's Research Hospital have found that frequently used antivirals do not work well against the H5N1 avian influenza virus in cows' milk.

Memphis, Tennessee, March 17, 2025

First U.S. H5N1 Death Sparks Urgency: Scientists Warn That Bird Flu Is Mutating Faster Than Expected

BY TEXAS BIOMEDICAL RESEARCH INSTITUTE • JANUARY 16, 2025 • 174 COMMENTS • 5 MIN READ

Facebook Twitter Pinterest Telegram



As H5N1 Is Detected In San Francisco, A Panel Discusses Next Steps

More Breakthrough

Follow

San Francisco, CA (UPI) —



Working for San Francisco Department of Public Health

Last week, the San Francisco Department of Public Health (SFDPH) confirmed that a child in the city became the first case of Avian Influenza Bird Flu (H5N1). With the Ketchikan, Alaska, outbreak

Risk of Highly Pathogenic Avian Influenza A/H5N1 Virus in Pediatrics

C Mary Healy¹

Affiliations + expand

PMID: 40289622 DOI: 10.1093/jpids/piaf035

Abstract

Highly Pathogenic Avian Influenza A/H5N1 Virus has been found in multiple US states since 2024. While human infection risk is currently low, children are a high-risk group for severe infection as the virus evolves. Preventive efforts should prioritize children in vaccine and therapeutic clinical trials and vaccine implementation strategies.

H5N1 disease in people: H5N1 in people in the US is typically mild, including in children, but there is potential for severe illness.

H5N1 cases in children have been infrequent. Although ages of patients not formally reported by the CDC, it is thought that two of the 70 cases of H5N1 in the US were in children, and both were very mild illnesses. However, a severe case of H5N1 was reported in adolescent in British Columbia, Canada, highlighting the potential for H5N1 to cause severe disease in children.

<https://pedspandemicnetwork.org/our-work/h5n1-influenza-information-and-resources/>

Minneapolis shooting: 8-year-old and 10-year-old killed, 17 others hurt at Catholic school

The shooter died at the scene from a self-inflicted gunshot wound.

August 2025, Minneapolis hospital pediatric trauma surge following mass shooting at Annunciation Catholic School.

Gunman fired into church while students & parishioners were attending a back-to-school Mass.

Two primary hospitals involved were Hennepin Healthcare (HCMC) & Children's Minnesota.

Healthcare staff & systems were overwhelmed by sudden influx of patients, requiring treatment for all.

Hospital system swiftly managed high volume of trauma patients, & all 14 children who were injured are expected to survive.

Significant strain for hospitals & staff, in line with established challenges following mass casualty incidents.

Two children dead & 18 others injured, with area hospitals treating a total of 20 victims.

Fast, accurate triage moves 17 from Minneapolis church shooting to hospitals in 25 minutes

Hennepin EMS official said the police's swift, accurate tally of victims let medics move the wounded quickly to three hospitals

August 28, 2025 08:19 AM

By Jeremy Olson
Star Tribune

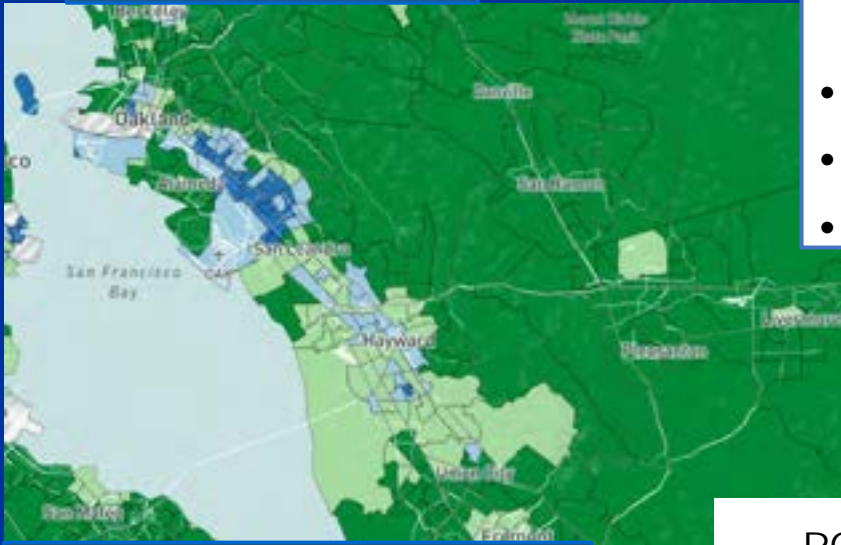


Mourners sign memorial crosses for two children killed in a mass shooting at Annunciation Catholic Church and School in Minneapolis, during a vigil at Academy of Holy Angels in Richfield, Minn.

Tom Baker/AFP via Getty Images

"PEDIATRIC NEAR MISS" SURGE CAPACITY & CAPABILITY CHALLENGES

Hospitals are safe
from Earthquakes,
but Access to Health
Care Is at Risk



A magnitude 7.0 earthquake
struck just off coast near
Petrolia, Humboldt County at
10:44 a.m. PST on 12/6/2024.

LESSONS LEARNED

- LA Fires 2025
- RSV & Resp. Pediatric Surge (2022) *
 - "Pediatric Tripledemic"
- COVID-19 Pandemic – Hospital Surge
- Northern CA Firestorms (2017-2022)
- H1N1 (2009) *

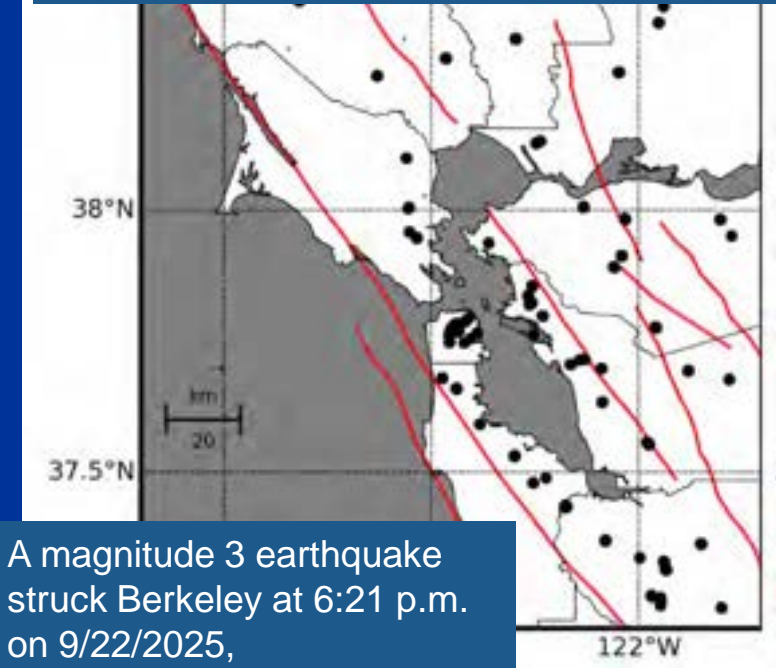
The Northern California Earthquake: A Wake-Up Call

Juarez Staff December 6, 2024

POTENTIAL RISK

- Civil Unrest 2025
- H5N1
- Climate Change
- Earthquake
- Pandemic

Hayward Fault has documented record of
producing magnitude 6.5 to 7 earthquakes
about every 140 to 150 years.



A magnitude 3 earthquake
struck Berkeley at 6:21 p.m.
on 9/22/2025,

POTENTIAL HOSPITAL IMPACT

- What if increase in need for pediatric critical
care beds & limited PICU bed availability?
(33 PICU BEDS ALAMEDA COUNTY)

DISASTER SCENARIOS – Not Catastrophic Enough WHAT IF PEDIATRIC SURGE?

- SIMULTANEOUS COMPLEX EVENTS
 - RESULTS IN ADULT & PEDIATRIC PATIENT SURGE IN ICU/PICU
- PEDIATRIC MCI IN SCHOOLS OR MASS GATHERING EVENT AT MULTIPLE SITES
- PEDIATRIC SPECIALTY CENTER HOSPITAL EVACUATION
- VIRULENT NOVEL STRAIN &/OR MCI (s)
 - IMPACTS PEDIATRIC CRITICAL CARE BED AVAILABILITY

- 1000 pediatric hospitalizations per day



- Every regional pediatric specialty center becomes mega PICU

WELL-PREPARED HEALTH CARE SYSTEM PEDIATRIC SURGE PLAN

- Plans & Prepares for healthcare consequences of pediatric disasters
- Responds quickly & with agility to support local needs & pediatric resource matching throughout regions & states
- Functions under adverse circumstances
 - **An immediate & prolonged surge of pediatric patients in need of acute critical care & transportation in all-hazard catastrophic events:**

- Disruption incident management chains of command
- A contaminated or contagious environment
- Loss of infrastructure — Poor situational awareness
- Interruption Supply Chain

**Requires connected robust Pediatric Readiness & Surge
"PLAYBOOK" or "FRAMEWORK"**

- Prepared collectively across regions & health systems
- Identifies OPERATIONAL RECOMMENDATIONS FOR ACTION to support State, Multi-Jurisdiction, Coalitions & Hospital ICS CONOPs



<https://www.canva.com/>

REGIONAL & LOCAL PEDIATRIC SURGE CAPABILITY Envisioned – Across States

High reliability, highly collaborative, cross-sector –“Living Plan Daily”

- Rapidly expand capacity:
To provide guidance on how to rapidly expand capacity of health care system — multiple levels
- Align, scale, coordinate, & integrate:
To ensure integrated regional children’s medical emergency management response system — consistent with established ICS, Hospital Incident Command System (HICS), Medical Operations Center Cells (MOCCs), EMS for Children (EMSC benchmarks, ASPR Hospital Preparedness (HPP) capabilities, & existing surge plans



<https://www.canva.com/>

- Customize to divergent regions & operational sections of other plans
- High-level synthesis & support for many existing plans – e.g. EOCs, Medical Operation Coordination Cells (MOCCs), HICS – not siloed

Starting Point – PEDIATRIC SURGE FRAMEWORK CATASTROPHIC CAPABLE

1. GUIDELINE FRAMEWORK – **NOT A CONOPS – PROPOSED TOOLS**

- Recommendations & strategies are provided at a high-level as needs & resources of impacted communities will vary dramatically

2. PILLARS OF SUPPORT for OPERATIONAL RESPONSE

- TARGET GROUP: ICS government organizations & EOCs with benefits to healthcare system

3. DESIGNED TO INFORM “REAL TIME” DECISIONS IDENTIFIES EVIDENCE-BASED CUSTOMIZED PEDIATRIC SURGE SOLUTION OPTIONS

- Event specific strategic recommendations, & “best practice” resources for time-sensitive needs





<https://www.canva.com/>

4. PROMOTES UNIVERSAL OPERATIONAL TOOLS (**standard operating procedures, & guidance for state & multi-jurisdiction ICS with Pediatric Advisor Subject Matter Experts & Resources**)



PRIORITY COMPONENTS - MODELS, PARADIGMS, & MISSION SETS


- **PATIENT TRANSFER – Patient Triage, Tracking, Communications, & Load-balancing**
- **CRITICAL CARE EXPANSION SOLUTIONS - - Across healthcare facilities & systems**
- **BEHAVIORAL HEALTH**
- **EVACUATION**

TRAINING ▾



Pediatric Surge Playbook


Display:  



WRAP-EM Pediatric Surge Resource Table

1338 Downloads 10445 KB 07-29-2023


This excel table serves as a quick reference guide related to pediatric surge management resources across a wide variety of topics and operational levels. It is intended to function as a practical resource for pediatric surge management preparedness and response activities at all levels of disaster response; from a ..



WRAP-EM Pediatric Surge Playbook

2157 Downloads 1.33 MB 07-29-2023


The WRAP-EM Pediatric Surge Playbook is designed to serve as a reference tool for pediatric surge management activities during (or in anticipation of) a surge incident. It contains operational considerations, potential response strategies, and associated resources to manage major challenges related to pediatric surge. This playbook is designed to ..



5-Min WRAP-EM Pediatric Surge Playbook PPT

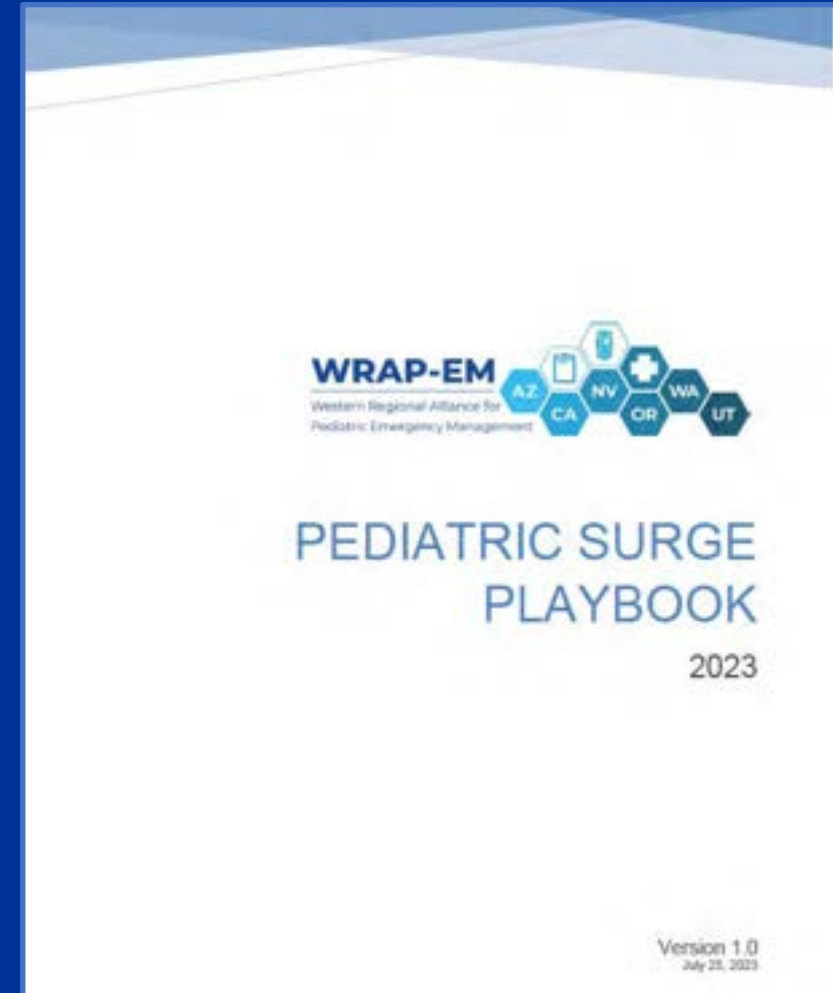
275 Downloads 730.45 KB 12-13-2023

This is a PDF of the 5-Minute presentation overview of the WRAP-EM Pediatric Surge Playbook.



20-Min WRAP-EM Pediatric Surge Playbook PPT

254 Downloads 735.18 KB 12-13-2023



<https://wrap-em.org/index.php/pediatric-surge-resources/94-pediatric-surge-playbook>

COMPONENT 1

PEDIATRIC READINESS "Day to Day"
Leverage Hospitals & EMS Provider PECCs
Standardized Pediatric Definitions & Tiers
EMSC Regulations & CA Med/Health EOM

COMPONENT 2

PEDIATRIC SURGE PLANS
HOSPITAL SURGE EXPANSION (Critical Care),
Patient Movement, Incident Response Guides, &
Coordinating Pediatric Resources for Critical Needs

COMPONENT 3

PEDIATRIC ICS INTEGRATION
GOVERNMENT CONCEPT OF OPERATIONS ESF8
Hospitals & Prehospital Command Centers (adapt &
support EOCs, HICS, MOCCs)

COMPONENT 4

PEDIATRIC SYSTEM-WIDE
COORDINATION FUNCTIONS
MHOAC PROGRAM LEVERAGES PEDIATRIC SMEs
(Integrate HCFs, EMS; Behavioral Health, Public Health
(Maternal Child Health), & Social Services)

COMPONENT 5

PEDIATRIC CAPACITY & CAPABILITY
SITUATION AWARENESS,
COMMUNICATIONS, & RESOURCE MATCHING
"BIG PICTURE REAL TIME"– DASHBOARDS; SMART
Sheets; – Utilize Real Time Data with HCC Coalitions,
PECCs & SMEs

PEDIATRIC READINESS & SURGE STRATEGIES IN ACTION

BEST PRACTICE RECOMMENDATIONS

Adapt for EOCs, HCC Coalitions, Hospitals,
& EMS Providers

COMPONENT 6

PEDIATRIC EDUCATION, TRAINING, &
EXERCISES
PEDIATRIC SMES & PECCS engaged in Surge
Simulations & Drills across OA Regions

Alameda County EMS for Children System Plan

Supports Federal & CA EMSC Program Goals & Regulations



EMSC PARTNERSHIP PROGRAM GOALS

Expand pediatric readiness in hospitals (EDs) & prehospital systems (EMS) by establishing:

1. Standardized pediatric readiness recognition (designation)
2. Pediatric emergency care coordinators (PECCs)
3. Disaster plans address needs of children

Pediatric Emergency Care Coordinator (PECC) Champion

- Oversees pediatric emergency care
- Ensures national/state recommendations for pediatric emergency care (including pediatric-specific policies/protocols, quality improvement, equipment / supplies, & disaster planning).



Hospitals - National Pediatric Readiness Project (NPRP)

Initiative to ensure **EDs** open 24/7 have essential resources to provide effective emergency care for children.



Prehospital Pediatric Readiness Project (PPRP)

Initiative ensures all prehospital EMS agencies that respond to 911 calls have essential resources to provide effective emergency care for children.

"Pediatric Ready"

NPRP/PPRP empowers EDs/EMS to improve capability to provide high-quality care for children.

<https://emscimprovement.center/domains/pediatric-readiness-project/>

Seven Domains of Pediatric Readiness



PEDIATRIC EMERGENCY CARE COORDINATOR

National Pediatric Readiness Project

What is a Pediatric Emergency Care Coordinator (PECC)?

A Pediatric Emergency Care Coordinator (PECC) is a healthcare professional who specializes in managing and coordinating emergency care for the pediatric population. They are a champion for pediatrics.

Who can be a PECC?

Anyone within the organization who will advocate for the needs of pediatric patients within the healthcare system. This could be a direct care provider or someone within the managerial structure.

What does a PECC do?

- Coordinate ongoing continuing education
- Draft applicable policies and procedures
- Identify gaps in needed equipment
- Participate in quality improvement activities
- Advocate for pediatric patients
- Develop community outreach programs

What are some specific activities?

The PECC plays a critical role in bridging the gap between general emergency care and the specialized needs of children during emergencies. They could also fill gaps during other phases of care.

What does it cost?

The cost will vary based on organizational structure. This position may be filled by one or multiple people. It can be occupied by field, training, or supervisory personnel. Generally, this is not a full-time designated role.

What is the return on investment for pediatric readiness?

- 1.76% lower mortality rate in all children
- 2.80% lower mortality rate in injured children
- 3,243 children's lives saved per year in the United States
- 4 Decreased liability & improved perception

IMPROVE YOUR PEDIATRIC CARE TODAY!

Make your hospital a better place for children by becoming a Pediatric Emergency Care Coordinator.

Pediatric Readiness Saves Lives

National PRP *National PRP*

High levels of Pediatric Readiness in emergency departments (EDs), or scoring a minimum of 88 points (ideally 100) on the National Pediatric Readiness Project Assessment—improve outcomes for children. While research in prehospital settings is ongoing, a similar impact is anticipated.

High levels of Pediatric Readiness in EDs are associated with the potential for:

- 76%** lower mortality risk in children¹
- 2,143** children's lives saved across the U.S. each year²
- 3-FOLD** reduction in racial and ethnic disparities in mortality³

and only cost between \$4–48 per patient.⁴

The Power of PECCs:
Designating and training a pediatric emergency care coordinator (PECC) or pediatric champion, in EMS agencies and EDs is the key to better pediatric readiness.

Prehospital research is currently underway with the evaluation of the 2016 Prehospital Pediatric Readiness Project Assessment results.

You can help save children's lives. www.pediatricreadiness.org



Emergency Department PECC Module Series
<https://emscimprovement.center/domains/pecc/pecc-module-ed/>



CALIFORNIA EMSC REGULATIONS

EFFECTIVE 7/1/2019 – 2025 PROPOSED NEW REVISION

GOAL / PURPOSE

To ensure children receive adequate & appropriate EMS to prevent loss of life & human potential, creating EMSC program.

- To protect welfare, health, & safety of pediatric patients.
- To provide **consistent, equitable, & standardized** criteria statewide
- Provide direction/requirements to local EMS for implementation of EMSC programs
- Clarify **Requirements for LEMSA** to develop & implement EMSC programs
- Create quality improvement for **Pediatric Facility Designations**
- Facilitate **Resources & Training** for prehospital providers & hospital EDs
- **Ensure preparedness (disaster) for providing medical care to pediatric patients, from neonates to adolescents.**

California EMS Authority Regulations (effective January 1, 2025) and Chapter 6.4.
Emergency Medical Services for Children

CA EMSC
REGULATIONS
Pediatric
Receiving Center
(PedRC)
Designation

Pat Frost, Lead
Contractor, Executive
Director NPDC,
Recommends PedRC
Designation Recognition
to Alameda County EMS

COMPREHENSIVE

Inpatient resources - NICU & PICU

California Children's Services (CCS) tertiary hospital

- Transfer agreements & regional referral center for specialized care pediatric patients.
- Can provide comprehensive care to any pediatric medical & surgical care child

ADVANCED

Community neonatal intensive care unit (NICU) or as an intermediate NICU

- ED able to stabilize critically ill or injured infant, children, & adolescents prior to admission to PICU or transfer to Comprehensive PedRC facility.
- Establish formal agreements with minimum one Comprehensive PedRC for education/consult
 - Participate with Comprehensive PedRC for pediatric education;
 - Establish transfer agreements with Comprehensive PedRC
 - Establish transfer agreements for pediatric patients needing specialized care
- Specialties on-call & available for consult to ED within 30 minutes: Radiologist – with pediatric experience; neonatologist; general surgeon with pediatric experience; otolaryngologist with pediatric experience.

GENERAL

- Participate with Comprehensive &/or Advanced PedRC for pediatric emergency education
- Establish agreements with Comprehensive PedRC &/or Advanced PedRCs as approved by local EMS
 - Establish transfer agreements for pediatric patients needing specialized care
 - Have physician &/or nurse PECC which may be shared with other PedRCs.

BASIC

- Establish agreements with at least one Comprehensive PedRC; Establish agreements with Advanced or General PedRCs; Establish transfer agreements for pediatric patients needing specialized care

CA ALAMEDA COUNTY EMSC PEDIATRIC READINESS SITE VISIT PROJECTS (INCLUDES SIMULATION TRAINING, & SURGE/DISASTER PREPAREDNESS ASSESSMENT)

GOALS – Positive & Collaborative

- **To conduct assessment of hospital & EMS Provider pediatric readiness**
 - Leverage “Day-to-Day” & Disaster / Surge Event Planning
- **To review NPRP site-visit self-assessment tool & Disaster Checklist**
 - Support CA EMSC regulations, NPRP, & NPPRP process
- **To gather pediatric data per CA EMSC Regs QI**
 - Using hospital data metrics collection tool
- **To conduct in-situ pediatric simulations (ImPACTS)** – includes EMS Patient Transfer of Care
 - Provide expert feedback, recommendations, & opportunities for improvement.
- **To facilitate “Just in Time” pediatric expertise, on-going collaboration & future training**
 - Use SMEs - UCSF Benioff Children’s Hospital & ALCO EMS.
- **To inform hospital PedRC Designations**



SIM Site Visit Team

UCSF Clinical Pediatric SMEs & ALCO EMS

- Shruti Kant, MD, UCSF Benioff Children’s Hospitals, SF
- Daniel Lam, MD, Pediatric Emergency Medicine
- Inder Narula, RN, MSN, FNP, Pediatric ED Educator
- Mary Cervantes, Director/Safety Officer
- Cynthia Frankel, RN & Alameda County & EMS Directors at select sites

Target Group – Hospitals & EMS Providers

- EMS Liaisons, PECCs, ED Managers, Medical Directors, & Other Pediatric Experts
- Pediatric Intensivist & Pediatric SMEs
- Emergency Preparedness & Administration

HOSPITAL PEDIATRIC SIMULATIONS & DEBRIEF

INCLUDES EMS PATIENT TRANSFER OF CARE TO ED CLINICAL TEAM

**Specialty Children's Hospitals
Not Available – Closed**



Pediatric Scenario Cases Benefits – COMBINED Partners

- Opportunity for In hospital clinicians to observe how EMS/Fire providers conduct prehospital care & interventions, transport, & give full turnover reports to receiving hospitals
- Opportunity for Prehospital providers to observe how critical patients receive care at hospitals



CUSTOMIZED PLAYBOOK INTEGRATES CALIFORNIA PEDIATRIC SURGE PLAN & EOM

RIGHT

- Right Patient, Right EMS Resource, Right Destination

LEVERAGE & INTEGRATE

- Leverage & integrate CA state & regional pediatric medical surge plans with coalitions, patient movement plans; & coordinate ESF8

ENSURE

- Ensure best utilization of region's pediatric resources

MAXIMIZE

- Maximize every asset at all levels of capabilities for all hospitals (including Trauma, PICU, & NICU)

RECOGNIZE

- Recognize coordinated & integrated response requires state ICS; Regional Disaster Medical / Health Coordinator (RDMHS); & Medical/Health Operational Area Coordinator (MHOAC)

STRIVE

- Strive to equitably maximize # of children receiving appropriate level of care (at pediatric & adult hospitals)

California Public Health and Medical Emergency Operations Manual



Perinatal, Neonatal, and Pediatric Surge Annex to the California Patient Movement Plan

September 2021



CALIFORNIA PLAYBOOK EVOLVING

Integrate California Pediatric Surge Plan

Perinatal, Neonatal, and Pediatric
Surge Annex
to the
California Patient Movement Plan

September 2021



GOAL: California Pediatric Surge Concept of Operations (CONOPS) & Function-specific Annex to Support Response

—— BUILT ON CAPACITY MODEL ——

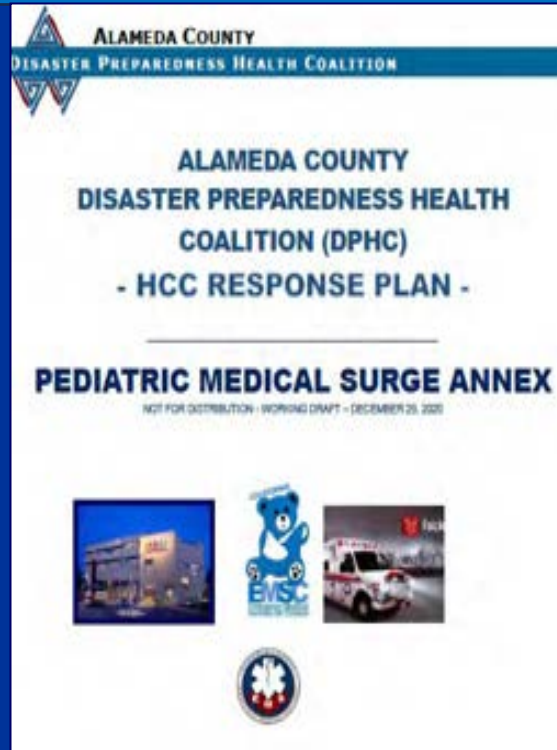
- **Establish Catchment Areas Around Regional Hospital**
- Identify Regional Health System Hubs to Authorize Patient Movement
- **Integrate Transfer Centers with Tiered Hospitals Around Levels of Care**
- Expectations Beyond National Pediatric Readiness Project (NPRP)
- **Plan = Response CONOPS with Response Partners – (i.e. Telehealth)**
- Patient Movement Decision Coordination for Transfers with Pediatric Tiers & SMEs; Integrate TRAIN
- **Promote Connectivity Across States & Coalitions – EOCs**
- Ensure “Day-to-day” & Surge Pediatric Assets – **Living Plan Daily**

California Department of Public Health (CDPH)
California EMS Authority (EMSA)
Richard O. Johnson, M.D., MPH, FAAP, Facilitator

LOCAL & REGIONAL PEDATRIC SURGE ANNEX

HPP HEALTHCARE COALITION & HOSPITAL RECOMMENDATION

| SECTION 2 – CONCEPT OF OPERATIONS - RESPONSE |
|--|
| 2.1 Command and Mutual Aid Organizations (include Situation Awareness; Comms, Direction) |
| 2.2 Situation Report, Activation and Notifications |
| 2.1.1 Activation / Levels of Activation (include WRAP-EM Based Capabilities) |
| - SME Integration |
| 2.1.2 Notifications |
| Regional EMS Activation and Notifications Pathway- Operational Response |
| 2.3 Roles & Responsibilities – Region Jurisdiction Coalition (Situation Awareness) |
| 2.4 LOGISTICS |
| 2.4.1 Surge Definitions 4Ss / 3Cs |
| - Space |
| - Staff (PECCs; SMEs; Pediatric Clinicians) |
| - Supplies (Caches) |
| 2.4.2 Pediatric Critical Care Expansion Plan |
| Pediatric Critical Care Expansion Options – Operational Response Tool |



| 2.5 SPECIAL CONSIDERATIONS – EVENT SPECIFIC |
|--|
| 2.5.1 Behavioral Health |
| 2.5.2 Decontamination |
| 2.5.3 Evacuation |
| 2.5.4 Specialty Pathogens / Infection Control / COVID-19 |
| 2.5.5 Security |
| 2.5.6 Special Needs |
| 2.5.7 Burns |
| 2.6 OPERATIONS – MEDICAL CARE & PATIENT MOVEMENT |
| 2.6.1 Triage |
| 2.6.2 Treatment / Medical Care |
| 2.7 TRANSPORTATION (includes TRAIN) - Patient Tracking |
| SECONDARY TRANSFER ACTIONS – USING PIRT AND EEIs |
| 2.8 TRACKING |
| 2.9 REUNIFICATION |

EMS PEDIATRIC PRIORITY OPERATIONAL RESPONSE TOOLS

[PATIENT EVACUATION TRANSFER FORM](#)

Pediatric Surge PLAYBOOK Tool

ICS PEDIATRIC SME ADVISOR

Objective: The Pediatric Surge SME makes data-and stakeholder-informed decisions to balance patient load and ensure high-quality care. decisions may direct the movement of pediatric patients (and potentially other resources) from one facility to another, or re-direct referrals that would usually go to an overwhelmed facility or system to one with capacity.

Mission: Advise the Incident Commander or Section Chief, as assigned, on issues related to pediatric care, pediatric transport, and surge response. The **objective priorities** include:

- Collecting, analyzing, and disseminating pediatric healthcare information
- Acting as a single point of contact (POC) for pediatric referral requests exceeding a state's or regions capacity
- Integrate pediatric patient transfer operations and healthcare system monitoring / information management as a function of the state or regional response

Activities

- Meet with the Incident Commander, Operations and Planning Section Chiefs, and the Operations Section Medical Care Branch Director to plan for and project pediatric patient care needs.
- Identify the pediatric surge operational course of action as needed.
- Verify with the situation status with leadership
- Gather intel and report the following to the Incident Commander:
 - Type and location of pediatric incident (s)
 - Number and condition of expected pediatric patients at each site (hospitals, primary sites in the field)
 - Identify pediatric destinations.
 - Estimate number of patients needing transport and patient movement priority decisions.
 - Resource needs for transport, hospital expansion and decompression
 - Any unusual or hazardous environmental exposure
- Provide pediatric care guidance to Operations Section Chief and Medical Care Branch Director based on incident scenario and pediatric response needs.
- Ensure pediatric patient movement, patient
 - Transport Priority
 - Identification
 - Tracking Procedures.
 - Telehealth.
 - Behavioral Health Support Are Considered And implemented
- Communicate and coordinate with the Logistics Section Chief to determine pediatric needs:
 - Medical pediatric transport needs. Consider Transfer Centers
 - Medical care equipment and supply needs
 - Medications with pediatric dosing
 - EMS Transportation availability and needs (EMS 911; EMS IFT/CCT) and other cribs, wheel chairs, etc.)
 - Additional Pediatric SME (s) and other Pediatric Teams
- Communicate with the Planning and Logistics Section Chiefs to determine overarching pediatric capability.
 - Regional Hospital Bed availability
 - Ventilators
 - Pediatric Trained medical sub-specialty SME needs (Pediatric Intensivists, MD, RN, PA, NP, PIRT, etc.)
 - Additional short- and long-range pediatric response needs
- Ensure that appropriate pediatric standards of care are being followed in all clinical areas. Evaluate need for contingency and crisis standards of care
- Collaborate with the Public Information Officer to develop media and public information messages specific to pediatric surge and care recommendations and treatment
- Participate in briefings and meetings, and contribute to the Incident Action Plan (IAP), MAC, as requested

Immediate Response (0 – 2 hours)

Receive appointment

- Obtain a briefing from the State and/or Regional Incident Commander on:
 - Size, location (s) and complexity of the pediatric incident (s)
 - Expectations of the Incident Commander
 - Incident objectives
 - Involvement of state, regional outside agencies, Health Officer, stakeholders, regional health systems, transfer centers, and other organizations
 - The situation, incident activities, and any special concerns
- Assume the role of Medical-Technical Specialist: Pediatric Surge Advisor SME
- Review this Job Action Sheet
- Put on position identification (e.g., position vest). Position may be in the State/Regional EOC, MOCC, and or PCCC or from a remote virtual location
- Notify WRAP-EM, PPN, and your usual supervisor of your assignment

Assess the operational situation

- Assess/monitor state and/or multi-jurisdiction pediatric situation status and capabilities
 - Hospitals
 - Pediatric Specialty Centers
 - Health System Hubs
 - Transfer Centers
 - Transport Availability and Resources
 - EMS
- Review information as available:



PEDIATRIC SURGE PLAYBOOK

2023

Version 1.0
JAN 25, 2023



Hospital Incident Command System (HICS)

JOB ACTION SHEETS – Medical-Technical Specialists

MEDICAL-TECHNICAL SPECIALIST: PEDIATRIC CARE

Is the Pediatric SME Advisor assessing EMS Pediatric Capability & Patient Movement Transport Needs in Disasters?

Determine availability of transport assets for evacuation or secondary transport. Identify if competition for transport resources &/or if access is regionally coordinated.

Establish time required to mobilize transport assets, if available.

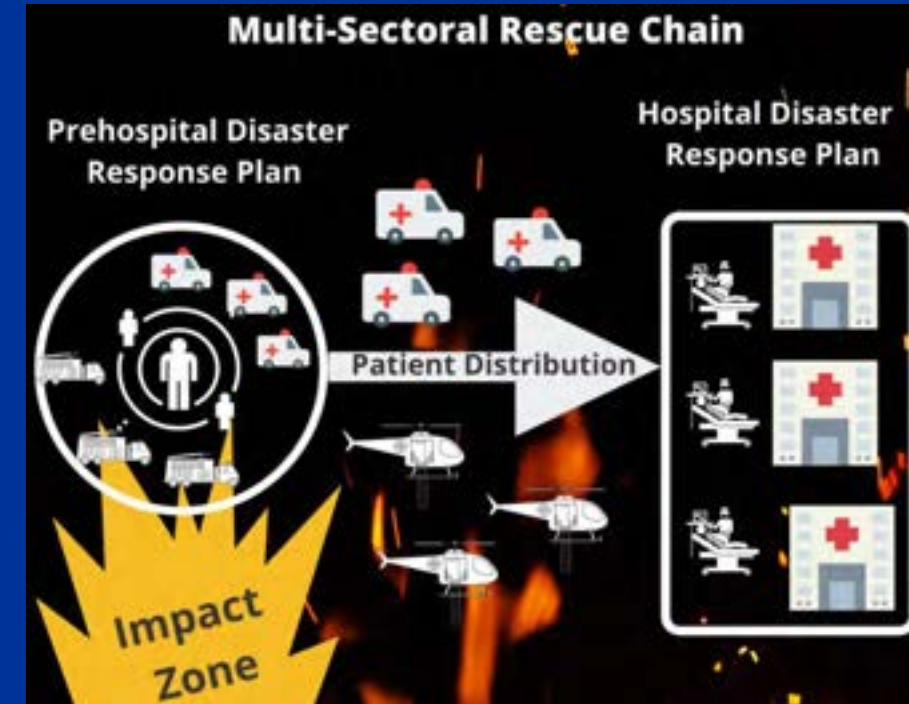
Identify pediatric capabilities of EMS. *

Determine if staff will need to accompany patients & establish how to track/repatriate staff who assist with patient transport & care.

Verify if transport vehicles are compatible with life support systems needed to keep pediatric patients safe.

Identify equipment required to send with transport for continuing safe care of pediatric patients & establish how to track & repatriate equipment.

Determine duration of transport.





ALAMEDA COUNTY EMS - ReddiNet HAvBED

| HAvBED | | |
|---|--------------|---------------|
| View by: <input checked="" type="radio"/> Categories <input type="radio"/> Facilities | | |
| Bed Types | Staffed Beds | Surge Ability |
| Med/S | 49 | 24 |
| Tele | 46 | 17 |
| ICU | 26 | 14 |
| PICU | 2 | 4 |
| NICU | 10 | 19 |
| PEDS | 10 | 13 |
| OB/GYN | 20 | 23 |
| Trauma | 4 | 7 |
| Burn | 0 | 0 |
| Isolation | 27 | 12 |
| Psych | 1 | 1 |
| OR | 10 | 10 |
| ED | 59 | 52 |
| Other | 67 | 12 |

ALAMEDA COUNTY HOSPITAL PEDIATRIC SURGE CUSTOMIZED POLL

Situation Awareness during RSV & Resp. Illness Surge

Reporting Party
POC Hospital
Name / POC - Date

of Pediatric Holds
or Boards at 4pm
yesterday

of PICU admits
boarding in ED

of NICU Admits
boarding in ED

of Pediatric
Transfer Holds

of Pediatric
Critical Care
Transfer Requests

of Pediatric
Critical Care
Transfer Requests
Denied

Is the Pediatric SME Advisor asking the right
questions?

of Staffed Available
Pediatric M/S Beds
(include Surge Beds)

of Staffed Available
PICU Beds (including
Surge Beds)

What are your
anticipated pediatric
surge needs?

Have you submitted a
pediatric Resource
Request RR? Have you
activated Hospital
Command Center?

Is your Adult ICU accepting
pediatric Critical Patients?
• Is your Adult Gen. M/S
accepting Pediatric M/S
patients?

Are you using
Telehealth for pediatric
patients?

PEDIATRIC SURGE EXPANSION MODELS PANDEMIC – 4Ss OPTIONS

| | <div>Decreasing ← Morbidity and Incident demands → Increasing</div> | | |
|--------------------|---|---|---|
| | Conventional | Contingency | Crisis |
| Space | Usual patient care spaces maximized | Patient care areas re-purposed (PACU, monitored units for ICU-level care) | Non-traditional areas used for critical care or facility damage does not permit usual critical care |
| Staff | Additional staff called in as needed | Staff extension (supervision of larger number of patients, changes in responsibilities, documentation, etc) | Insufficient ICU trained staff available/unable to care for volume of patients, care team model required & expanded scope |
| Supplies | Cached/on-hand supplies | Conservation, adaptation and substitution of supplies with selected re-use of supplies when safe | Critical supplies lacking, possible allocation/reallocation or lifesaving resources |
| Standard of care | Usual care | Minimal impact on usual patient care practices | Not consistent with usual standards of care (Mass Critical Care) |
| ICU expansion goal | X 1.2 usual capacity (20%) | X 2 usual capacity (100%) | X 3 usual capacity (200%) |
| Resources | Local | Regional/State | National |
| | <div>Normal ← Operating Conditions → Extreme</div> | | |

CONTINGENCY

- Institutional level loading: direct patient transports to like institutions with remaining capacity consistent with EMTALA requirements

- Activate telemedicine & outpatient resources to support acute care needs

- Compare current staffing contingencies at hospitals within area to ensure consistent level of care provided as possible

- Upstaffing with licensed outside support (travelers, per diem); expansion of scope of practice

CALIFORNIA - ALAMEDA COUNTY PEDIATRIC SURGE PLAN
PROPOSED EMS INTERVENTIONS
CRITICAL CARE EXPANSION MODELS — OPTIONS

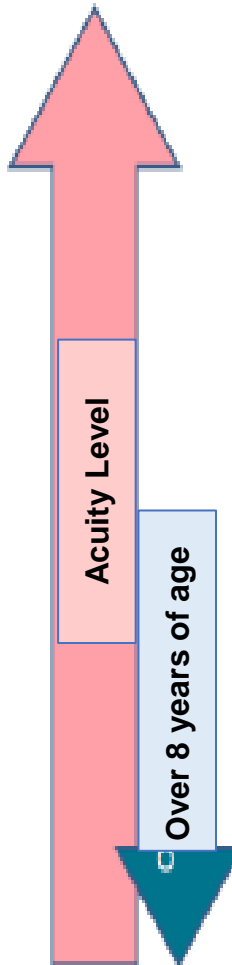
1. Hospitals increase pediatric beds by 5% above total licensed beds
2. Hospitals with ICU & PICU **double** numbers of staffed beds
3. Hospitals take **5 additional patients** in their ICU & PICU
4. Hospitals increase bed capacity by **10%–20% above licensed beds**



Consider criteria for pediatrics that define children at greatest need for pediatric specialty care (i.e., complex congenital conditions, children with special needs, neonates) with Pediatric advisors

CALIFORNIA - ALAMEDA COUNTY PEDIATRIC SURGE PLAN

CRITICAL CARE EXPANSION MODELS — OPTIONS

|  | HOSPITAL CAPABILITY (BASED ON LICENSED BEDS) | DESCRIPTION |
|--|--|----------------------------------|
| | CRITICAL CARE FOR PEDIATRICS | |
| | - PICU (UCSF Benioff Children's Hospital; Kaiser Permanente Oakland) | PEDIATRIC PICU |
| | - NICU | NICU |
| | - ICU | ICU |
| | - TRAUMA CENTERS | ADULT & PEDIATRIC TRAUMA CENTERS |
| | GENERAL MEDICAL/SURG CARE FOR PEDIATRICS | |
| | - GENERAL PEDIATRIC BEDS | PEDIATRIC ACUTE BEDS |
| | - GENERAL MED/SURGE BEDS; NO LICENSED PEDIATRIC BEDS | |
| | NO INPATIENT IN-PATIENT PEDIATRIC BEDS | |
| | - NO PEDIATRIC CRITICAL CARE; NO PEDIATRIC BEDS - - - - | |
| | - EMERGENCY ROOM ONLY | |



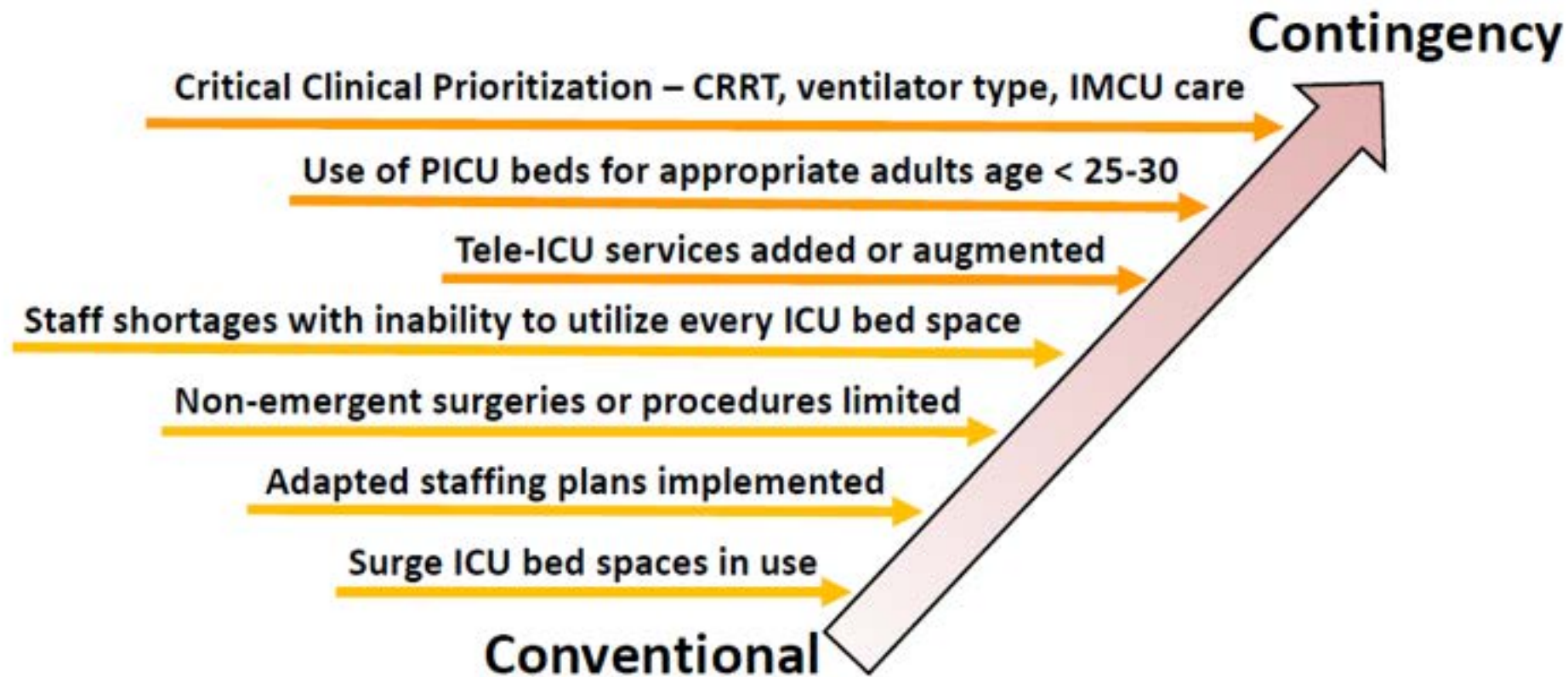
<https://npdcoalition.org/>



HEALTHCARE COALITION PEDIATRIC SURGE SCENARIOS

Triggers for Pediatric Regional Bed Expansion





- The Minnesota Critical Care Working Group 1: Monitoring and coordinating statewide critical care surge response in the COVID-19 pandemic, March 2020 through July 1, 2021. published Chest online Nov 2024
- Mass Critical Care Surge Response During COVID-19: Implementation of Contingency Strategies – A Preliminary Report of Findings From the Task Force for Mass Critical Care. CHEST 2022; 161(2):429-447

CALIFORNIA - ALAMEDA COUNTY
EMERGENCY OPERATIONS CENTER (EOC)
ACTIVATION & ON-GOING RESPONSE

LINK WITH MEDICAL HEALTH OPERATIONAL AREA
COORDINATOR (MHOAC) PROGRAM



Coordinate with EMS
Procurement Center for Pediatrics



Coordinate with pediatric experts in **Regional Healthcare Hubs, Hospital HICS, Transfer Centers, & Jurisdiction ICS** to engage in decision-making



Children's Specialty Center SMEs -
Advise for Effective Decisions

EXERCISES & PLANNING - CONTINUOUS PROCESS

INTEGRATE PEDIATRIC RESILIENCY & TEST CAPABILITIES with PECCs



2025 "REAL WORLD" CHLORINE PEDIATRIC EXPOSURE AT COMMUNITY POOL - MCI



4/17/25 MRSE Exercise - Chemical / Mass Casualty Incident



<https://www.canva.com/>

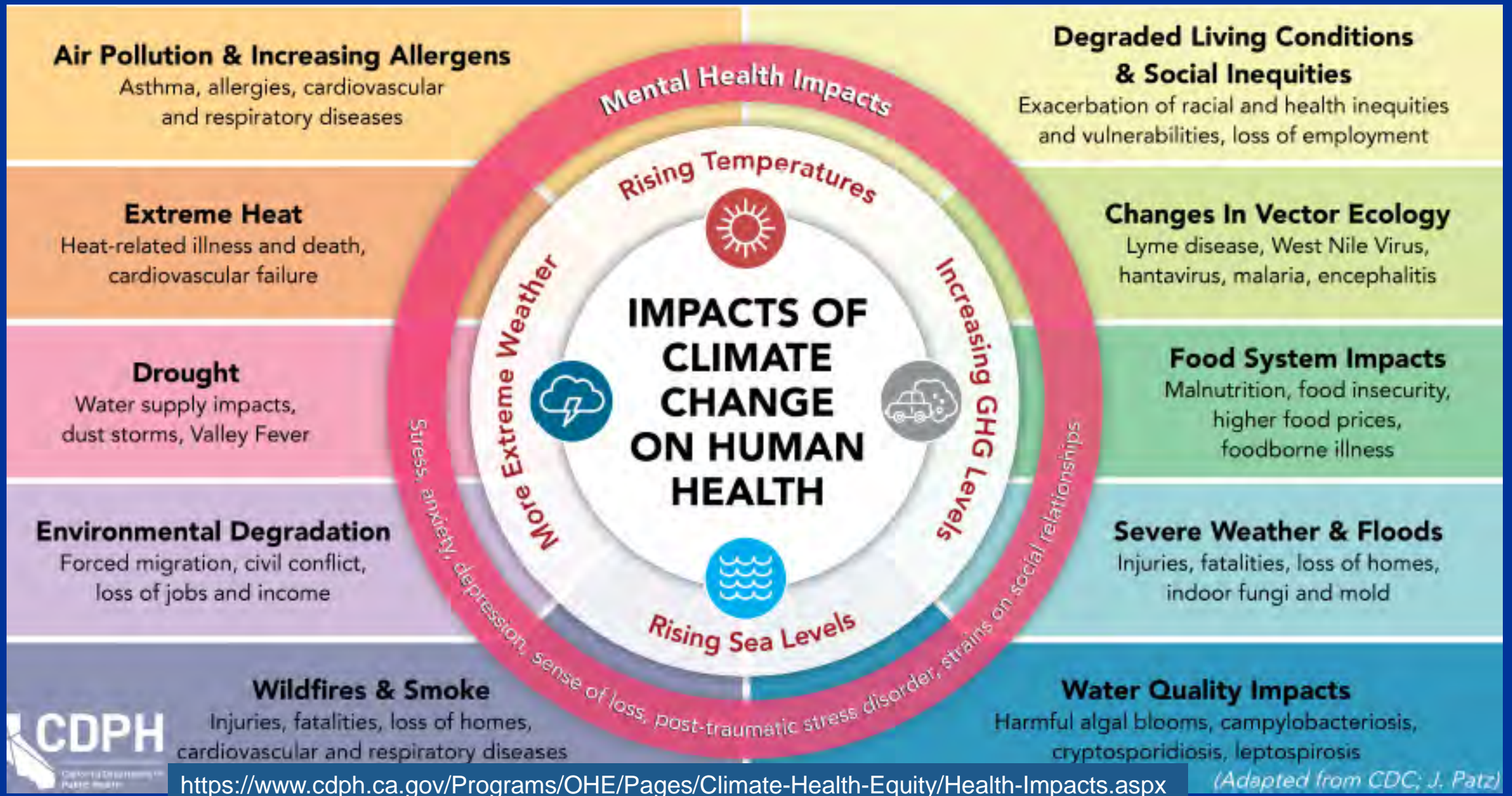
PEDIATRIC SURGE PLAYBOOK: CATASTROPHIC CAPABLE

RESOURCES & TOOLS FOR OPERATIONAL IMPACT

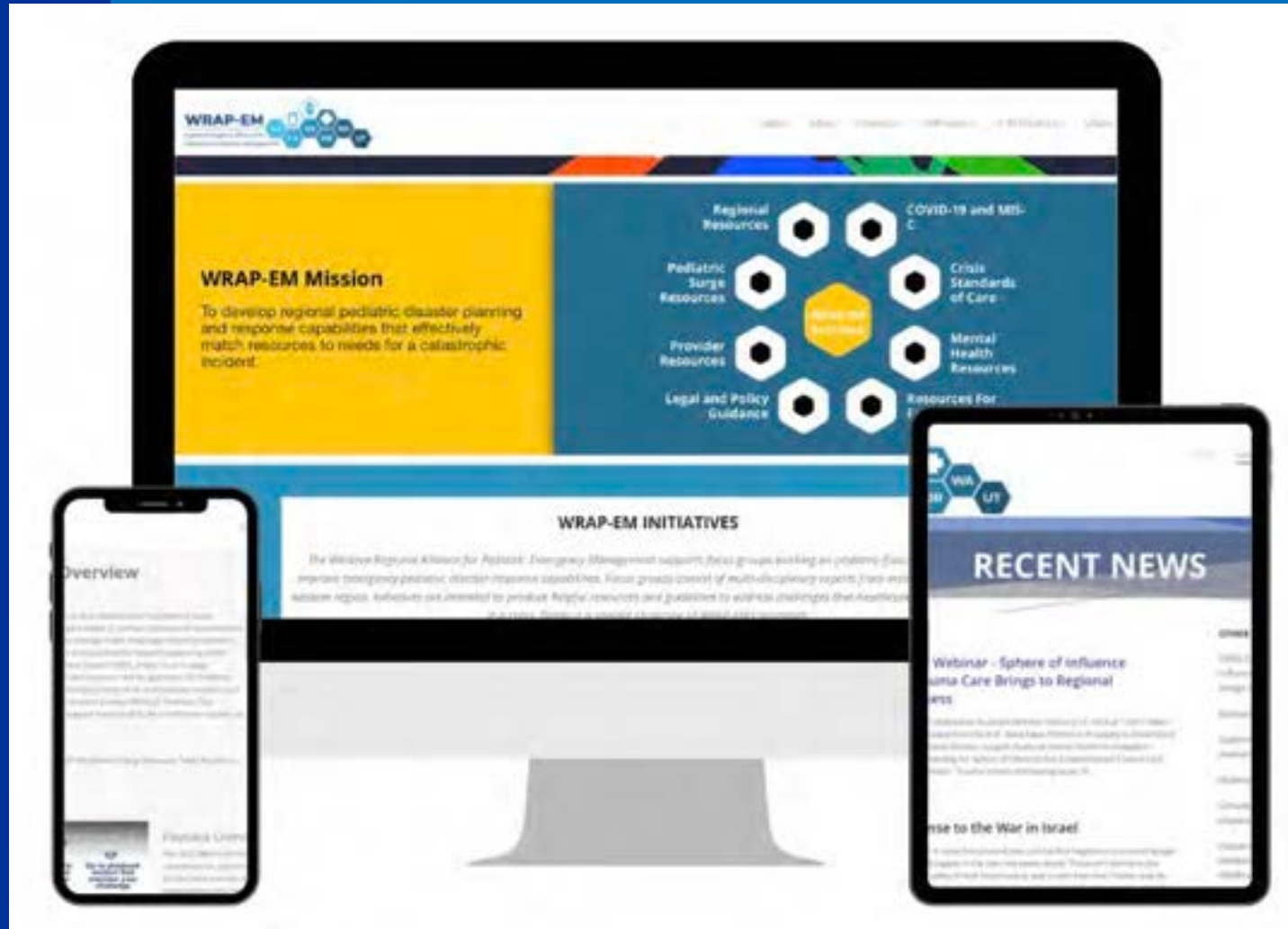
**Transforming Strategies to Strengthen & Support CONOPs Plans
across State Boundaries for Regional Health Systems, Hospitals, & Coalitions**



Pediatrics are one of the special populations with greater sensitivity



WRAP-EM Website: Sharing resources



Hospital Evacuation

Contents within this folder are focused on hospital evacuation guidance.

Display:



WRAP-EM Hospital Evacuation Guide for Pediatric Patients

 3 Downloads  562.34 KB  04/25/2025

Evidence-based guide providing pediatric-specific checklists, tools, and HICS integration for safe hospital evacuation, transport, reunification, and regional coordination.

Pediatric Patient Evacuation Form

 16 Downloads  717.58 KB  11/25/2024

The Pediatric Patient Evacuation Tool is a Microsoft Excel-based resource designed to quickly capture and categorize the care requirements of neonatal and pediatric patients during emergency evacuations. It integrates with TRAIN® Tool levels and pediatric levels of care, enabling clinical care providers to input patient details in under one ..

WRAP-EM

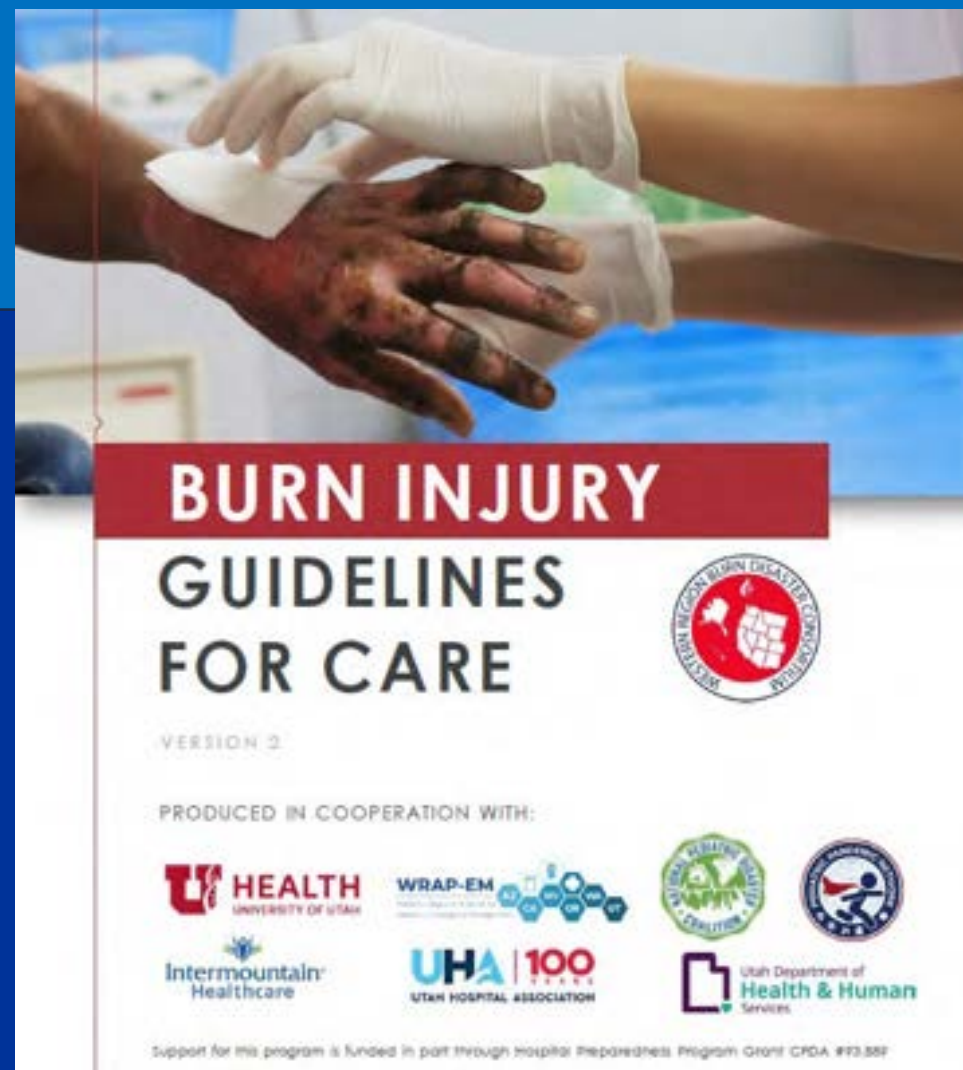
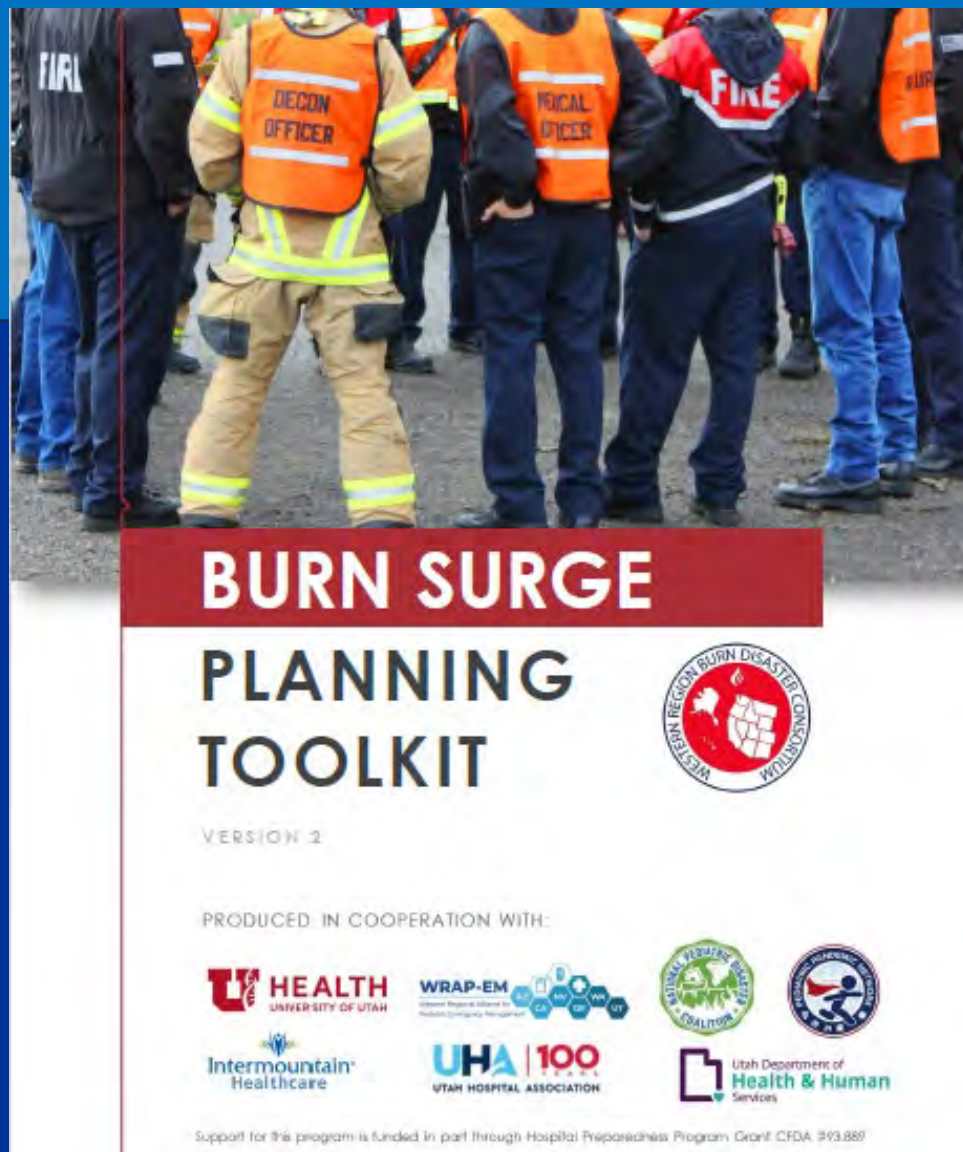
Western Regional Alliance for
Pediatric Emergency Management



Hospital Evacuation Guide for *Pediatric Patients*

April 2025

<https://wrap-em.org/index.php/pediatric-surge-resources/132-hospital-evacuation>



<https://wrap-em.org/index.php/pandemics/765-wrbdc-burn-injury-guidelines-for-care-2>



Region V for Kids
Pediatric Disaster
Center of Excellence

Legal Considerations for Providing Pediatric Healthcare During a Disaster

Pediatric Disaster Center of Excellence

REGION V FOR KIDS

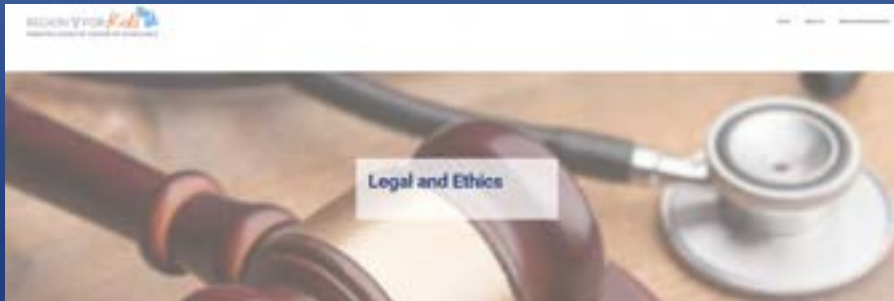
The mission of Region V for Kids is to build on existing foundations in pediatric clinical care and emergency response by enhancing coordination mechanisms and incorporating relevant capabilities at the local, state and regional levels.

Great Lakes Region (Indiana, Illinois, Michigan, Minnesota, Ohio, and Wisconsin).

Pediatric Disaster Education

This curriculum will lay the framework for future development of accessibility and engaging educational programs to improve the outcomes of children in disasters, with opportunities to expand to all providers who care for children.

<https://www.regionvforkids.org/professional-resources>



<https://www.regionvforkids.org/legal-ethics>



Education

Empowering Pediatric Emergency Preparedness



Disaster Exercises

Preparing for the Unexpected



Resources

Essential Tools for Pediatric Emergency Care

<https://www.regionvforkids.org/exercises>



NATIONAL PEDIATRIC DISASTER COALITION

NPDC BIG TENT MULTI-DISCIPLINARY WHOLE COMMUNITY



WHAT WE DO

Whereas children comprise approximately one quarter of the US population the mission of NPDC is to advance community preparedness, mitigation, response and recovery for infants and children and their families in disasters.

IMPROVING PEDIATRIC DISASTER PREPAREDNESS



Patricia (Pat) Frost RN, PHN, MS, PNP, NPDC Chair
Connecting Novice to Expert Since 2015

<https://npdcoalition.org/resources/schools-childcare/>



SCAN ME



HOW WE DO IT

We connect diverse individuals, families, communities, and disciplines to evidence-based best practices from the pediatric emergency management and disaster science communities.

Risk Assessment Tools and Children



Pediatric Hazard Vulnerability Analysis (HVA)

Impact Score

Determines a hazard's impact on children. Broken into pediatric-specific *impact / severity* categories that mirror PHRAT (*human, healthcare system, and community safety infrastructure* impacts) and then novel sub-categories that apply to children.

Vulnerability Score

Incorporates hazard probability into the '*impact score*'.

Overall Risk Score

Allows managers to input their region's and/or hospital's preparedness (using the same categories as the '*impact score*' to gauge overall hazard preparedness.

<https://asprtracie.hhs.gov/technical-resources/resource/9972/pediatric-hazard-vulnerability-analysis-template>

Child & Youth With Disabilities & Medical Needs

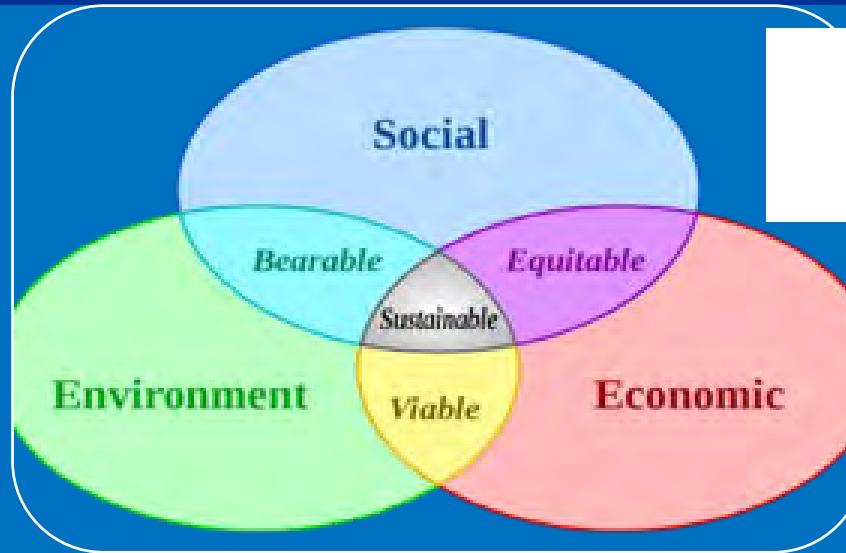
Child Trends Report 2020



Family Poverty



Disparities in
Accessing a
Medical Home



Gaps in
Economic
Resources



Child Care
Difficulties



Miss School &
Repeat Grades



1 in 34 Have
No Insurance

CARE MAPPING

- A visual tool to show the various areas of care families have to navigate
- A way to organize all of the areas of care
- An advocacy tool to show the everyday impacts of caring for individual with complex needs



How to create a Care Map – Boston Children’s Hospital

<https://www.childrenshospital.org/integrated-care/care-mapping>

Video tutorial from Family Voices in Wisconsin

<https://www.youtube.com/watch?v=8tuMwj28o00>

<https://npdcoalition.org/#>

NYC Pediatric Disaster Coalition (PDC)



In Loving Memory of Dr. Michael Frogel
(1950 – 2024)

“The Pediatric Disaster Coalition believes that it is imperative to realize that children and their needs must be specifically addressed in all stages of preparedness, response, and recovery” – Dr. Michael Frogel



Photo: John Jermyn & Dr. Frogel,
2017 National Healthcare Coalition
Preparedness Conference



NYC Pediatric Disaster Coalition



- Established in 2008 to prepare NYC for a catastrophic pediatric mass casualty event
- Funded by U.S. Department of Health and Human Services, Administration for Strategic Preparedness/Response/Hospital Preparedness Program via the NYC Department of Health and Mental Hygiene
- Originally part of Schneider Children's/Long Island Jewish Medical Center (2008 – 2012)
- Headquartered at Maimonides Medical Center in Brooklyn, NY since 2013
- **Serving approx. 20% of NYC's total population - includes over 1.74 Million residents under 18 yrs old (est.)**

**NYCPDC Membership /
Network In beginning 2008!**

**28 Hospitals, OEM=NYCEM
New Names New Systems**



NYCPDC Coalition Based Regional Planning and Response



- NYC Pediatric Disaster Plan (Draft)
 - **24/7 Pediatric Intensive Care Response Team for SME and Response, including patient prioritization, triage for transport**
 - Developed ASPR Pediatric Surge Annex to overall NYC Disaster Plan
 - Exercise and disaster planning toolkit
 - **Disaster planning implementation – PICU, NICU, pediatric unit, outpatient, obstetrics, long term care**
 - Exercise planning and conduct (operations and discussion based)
 - Essential elements of information – primary and secondary transport
 - **Pediatric Fundamentals of Critical Care Support Courses**
- Pediatric webinar series
 - NYC pediatric infectious disease annex
 - **NYC pediatric burn annex**
 - NYC pediatric chemical and radiation annexes
 - **Pediatric NYC gap analysis**
 - Pediatric NYC needs assessment survey
 - Pediatric NYC home care preparedness survey
 - **Pediatric Medical Operations Coordination Cell (Still to be finalized and operational)**
 - Borough of Queens Pediatric Data Collection
 - Countless lessons learned and sharing of best practices
 - **The list goes on!**

REGIONAL PEDIATRIC PRIORITY SURGE PLANNING

CALL TO ACTION

Momentum into the Evolving Future

TRANSLATING EFFECTIVE PLANS INTO OPERATIONAL REGIONAL ACTION

- **Customize & Implement PLAYBOOK components “day to day” with response partners**
- Integrate Pediatric Surge PLAYBOOK in Health System-Wide EOPs not just Coalition Plans
- **Coordinate & integrate collective health system corporate command & coalitions**
- **Test pediatric PLAYBOOK/CONOPS (coordinating Pediatric EEIs across regions)**
- **Use Hospital Pediatric Site Visits & Pediatric Emergency Care Coordinators (PECCs)**
- **Use Operational “Just in Time” Tools (e.g. Activation, Expansion, & Behavioral Health)**
- **Join WRAP-EM, NPDC, PPN, & Regional Alliances; Connect across states & coalitions**
- Expand CONOPs & partners for changing landscape & new baseline for catastrophic events
- **Campaign to inspire & strengthen regional pediatric surge response capability**



<https://www.canva.com>

PEDIATRIC SURGE PLAYBOOK

PRIORITIZE
CHILDREN
READINESS
MOMENTUM INTO
THE FUTURE
CHANGING
LANDSCAPE

- PLAYBOOK OPTIONS can be adapted & modified to strengthen pediatric surge capability with “best practice” resources, access to SMEs, & operational **CONOPs**
- REGIONAL APPROACH BENEFITS in **leveraging partners collectively across coalitions** to ensure a “living” plan & readiness before a catastrophic event
- PEDIATRIC EVIDENCE-BASED READINESS Assessments & EEIs strengthen healthcare system
- TEST & EVOLVE PLAYBOOK in “**real time**” & in exercises for catastrophic events



DRIVING PEDIATRIC READINESS ACTION INTO THE FUTURE



<https://www.canva.com>

With new challenges amid rapidly changing landscape & implications for how we approach pediatric & surge readiness, continue with heart, purpose, & commitment to make a difference for children.

~Thank you ~

- CYNTHIA FRANKEL, RN, MN
- EMS for Children, Pediatric Surge Lead, ReddiNet, & EMS Coordinator
- Alameda County Emergency Medical Services, California
- (510) 295-9601 (cell); Cynthia.Frankel@acgov.org



- -----
- **Western Regional Alliance for Pediatric Emergency Management (WRAP-EM)**
 - <https://wrap-em.org/>
- **Pediatric Pandemic Network (PPN)** <https://pedspandemicnetwork.org/>
- **National Pediatric Disaster Coalition (NPDC)** <https://npdcoalition.org/>
- **National Pediatric Readiness Project (NPRP) for Hospitals**
 - <https://emscimprovement.center/domains/pediatric-readiness-project/assessment/>
- **National Prehospital Pediatric Readiness Project (PPRP) for EMS Providers**
 - <https://emspedsready.org/>

How L.A. County Improved Pediatric Readiness (with resources you can use)



How L.A. County Improved Pediatric Readiness (with resources you can use)

People Doing the Work Presented

Erika Cheung, MSN, RN, CPN

Emergency Preparedness Manager
Children's Hospital Los Angeles (CHLA)



Alex Lichtenstein

Assistant Director, Office of Emergency
Preparedness

Kurt Kainsinger

Director, Office of Emergency
Preparedness

Ronald Reagan-UCLA Medical Center



Essence Wilson, BSN, PHN, MICN

Disaster Program Manager
L.A. County EMS Agency,
Disaster Services Section



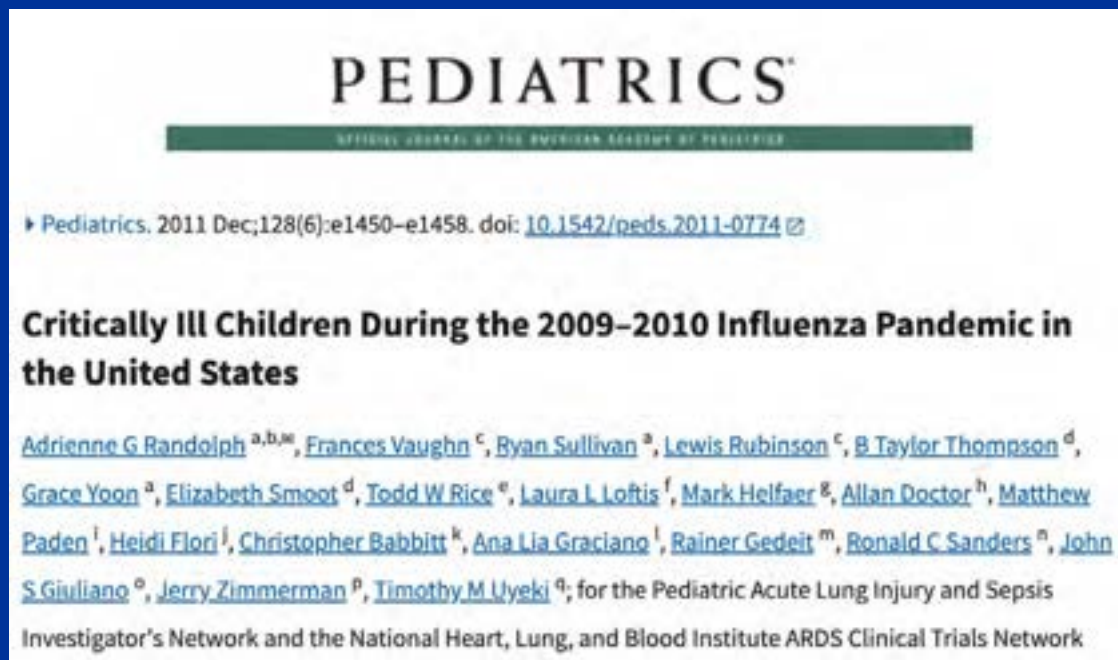
Steve Shrubbs, RN, BSN

Disaster Coordinator
Miller Children's & Women's Hospital
Long Beach



2009 H1N1 Influenza Pandemic

- In the USA, 317 children died of H1N1 during 2009 pandemic
 - Of 838 admitted to PICUs , 67.3% required ventilation (564)
- Pediatric death rates up to 10x the rates for seasonal influenza



This APPROPRIATELY SCARED us!

- What if... a surge of children requires ventilation?
- What if... kids show up to community hospitals?
- What if... we don't have capacity to effect the transfers...?
- We weren't prepared...



This APPROPRIATELY SCARED us!

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This APPROPRIATELY SCARED us!

- What if... a surge of children requires ventilation?
- What if... kids show up to community hospitals?
- What if... we don't have capacity to effect the transfers...?
- We weren't prepared...



L.A. County Pediatric Surge Plan

- Regional plan, multilateral partnership
 - Led by the LA County EMS Agency
 - Involving the main children's hospitals
 - Children's Hospital Los Angeles (CHLA),
 - Mattel Children's Hospital
 - Miller Children's & Women's Hospital
- Representatives of facilities with limited pediatric capabilities

Los Angeles County Pediatric Acute Surge Plan



**EMERGENCY MEDICAL
SERVICES AGENCY**
LOS ANGELES COUNTY

Effective: May 2013
Last Edited: August 2024

APPROVED:

Richard Tades
Director, EMS Agency

[Signature]
Medical Director, EMS Agency

L.A. County Pediatric Surge Plan

- Regional plan, multilateral partnership
- Includes justification & gap analysis
- Considers children with special needs
- Tiered response
- ALL hospitals involved
 - Lower tier hospitals for stable and decompression

Figure 1 - Population density map

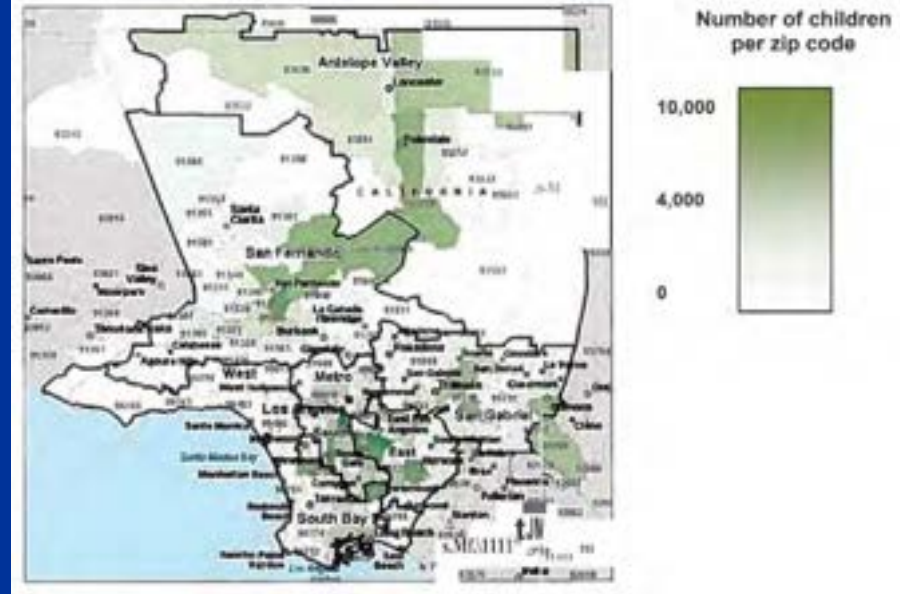


Figure 2 - Population and beds by Service Planning Area

| Service Planning Area (SPA) | Pediatric Population | Licensed PICU Beds | Total Capacity During Pediatric Surge | Licensed Beds per 100 Children |
|-----------------------------|----------------------|--------------------|---------------------------------------|--------------------------------|
| Antelope Valley | 113,511 | 0 | 22 | 0.19 |
| East | 379,976 | 0 | 105 | 0.28 |
| Metro | 283,977 | 97 | 385 | 1.36 |
| San Fernando | 532,864 | 18 | 90 | 0.17 |
| San Gabriel | 459,786 | 8 | 11 | 0.24 |
| South | 340,370 | 0 | 14 | 0.04 |
| South Bay | 388,105 | 30 | 199 | 0.51 |
| West | 107,981 | 24 | 57 | 0.53 |

Figure 5 - Surge target goals

| Bed Type | Current Staffed Beds | Surge Goal- 100% of surge capacity | Total Capacity During Pediatric Surge |
|----------------------|----------------------|------------------------------------|---------------------------------------|
| PICU | 141 | 141 | 282 |
| Pediatric Acute Beds | 806 | 806 | 1612 |

Source: OSHPD Year Ending June 2010

L.A. County Pediatric Surge Plan

- Regional plan, multilateral partnership
- Includes justification & gap analysis
- Considers children with special needs

Emergency Empower Squad™: An Access and Functional Needs Response Team



Empower Pack – Reference Guide


| Support Category | How to Recognize | Empower Pack Item | How to Use |
|---|---|--|--|
| Sensory Disabilities | Child may cover their ears, avoid bright lights, and/or engage in repetitive behaviors like rocking or tapping | Noise-canceling headphones* | Offer headphones in overstimulating environments. |
| | | Sunglasses/tinted goggles | Provide sunglasses to reduce light sensitivity. |
| | | Fidget toys, chew toys, tangle therapy | Use fidget toys, chew toys, and tangle therapy to help child engage, redirect focus, and destress/relax. |
| | | Fuzzy blankets and sensory socks | Place fuzzy blankets over lap/shoulders. Provide socks to reduce anxiety and promote calm. |
| | | Stress balls* and pop tubes | Provide for calming and tactile stimulation. |
| Communication Disabilities | Child may struggle to respond verbally, use gestures, or alternative communication methods like a board or tablet | Communication board | Use communication board to facilitate communication with non-verbal or scared patients. |
| | | Dry-erase boards | Provide dry-erase boards for written communication. |
| | | Sign language cards | Use sign language cards to bridge communication gaps. |
| | | 100 Signs for Emergencies (ASL Booklet)* | Use ASL booklet for quick sign language references. |
| Mobility and Vision Disabilities | Mobility: Child may use a wheelchair, braces, or have difficulty moving independently | Universal grips | Attach universal grips to objects for easier handling. |
| | | Handheld showerhead* | Install handheld showerhead for bathing accessibility. |
| | Vision: Child may rely on a cane or not respond to visual signals. May need verbal instructions | Adjustable flashlights or non-toxic glow sticks | Illuminate paths with flashlights or non-toxic glow sticks. |
| | | Lighted magnifying glass* | Offer lighted magnifying glass for better visibility. |
| Cognitive or Developmental Disabilities | Child may have difficulty following multi-step instructions or may become distressed in unfamiliar situations | Plush comfort items | Provide plush comfort items for reassurance. |
| | | Laminated calming strategy cards | Offer calming strategy cards to help manage stress. |
| | | Highlighter tape* | Use highlighter tape to emphasize important information. |
| Applicable for Any Disability | N/A | Noise-canceling headphones* | Provide headphones in overstimulating environments. |
| | | Adjustable flashlights and non-toxic glow sticks | Illuminate paths during power outages. |
| | | Sleep masks* | Offer sleep masks to block light and promote rest. |
| | | Plush comfort items/stuffed animals and coloring books | Offer plush comfort items for emotional support and coloring books for engagement. |

L.A. County Pediatric Surge Plan

- Regional plan, multilateral partnership
- Includes justification & gap analysis
- Considers children with special needs
- Tiered response
- ALL hospitals involved
 - Lower tier hospitals for stable and decompression

Figure 1 - Overview of Patient Distribution by Tier

* Note: In a pediatric trauma surge event, patients would go to Tier 3 before Tier 2



| HOSPITAL TIER | TIER DESCRIPTION |
|---------------|---|
| Tier 1 | Pediatric Centers (PTC/PMC) |
| Tier 2* | Pediatric Medical Centers (PMC) |
| Tier 3 | Adult Trauma Centers |
| Tier 4 | Pediatric Acute Inpatient Bed |
| Tier 5 | Emergency Department Approved for Pediatrics (EDAP) do not provide inpatient pediatric services |
| Tier 6 | No Pediatric Services |
| Tier 7 | No Emergency Services/ Specialty Centers |

All Hospitals Incorporated in Surge Response



Pediatric Readiness in the Emergency Department
This checklist is based on the American Academy of Pediatrics (AAP), American College of Emergency Physicians (ACEP), and Emergency Nurses Association (ENA) 2018 joint policy statement "Pediatric Readiness in the Emergency Department." Use this tool to check if your hospital emergency department (ED) has the most critical components listed in the joint policy statement.

Administration and Coordination of the ED for the Care of Children

- ☐ Physician Coordinator for Pediatric Emergency Care (PECCP)
 - Board certified/eligible in EM or PDM (preferred but not required for resource limited hospitals)
 - The physician PECCP is not board certified in EM or PDM but meets the qualifications for credentialing by the hospital as an emergency clinician specialist with special training and experience in the evaluation and management of the critically ill child.
- ☐ Nurse Coordinator for Pediatric Emergency Care (PECCN)
 - CPEN/CEN (preferred)
 - Other credentials (e.g., CPN, CCRN)

* An advanced practice provider may serve in either of these roles. Please see the guidelines/toolkit for further definition of the role(s).

Physicians, Advanced Practice Providers (APPs), Nurses, and Other ED Healthcare Providers

- ☐ Healthcare providers who staff the ED have periodic pediatric-specific competency evaluations for children of all ages. Areas of pediatric competencies include any/all of the following:
 - Assessment and treatment (e.g., triage)
 - Medication administration
 - Devices/equipment safety
 - Critical procedures
 - Resuscitation
 - Trauma resuscitation and stabilization

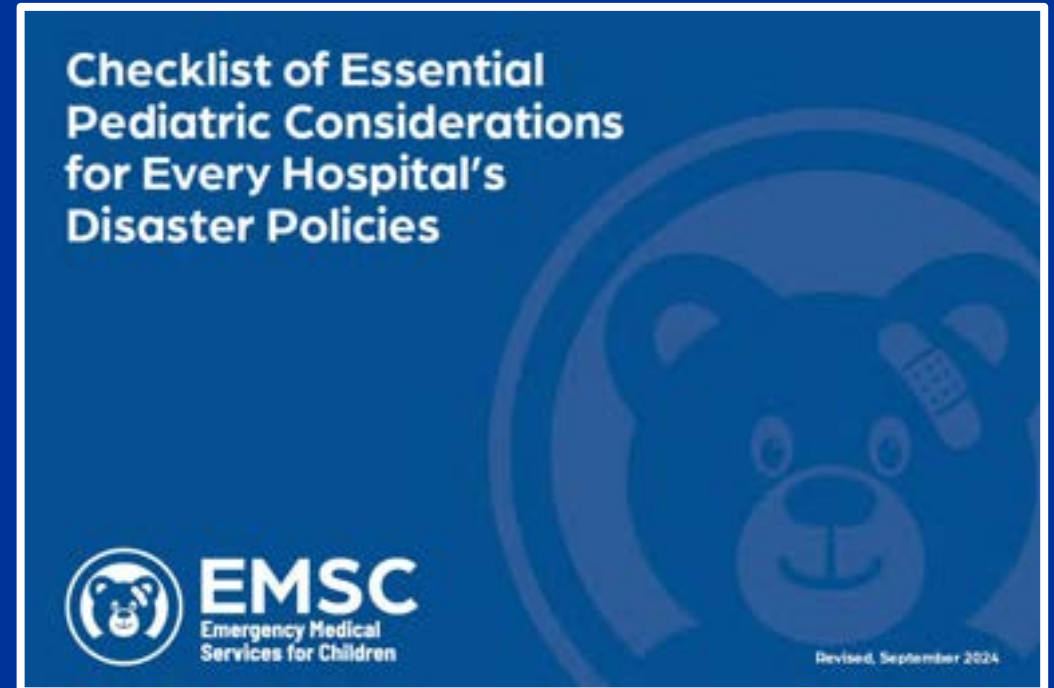
ED Policies, Procedures, and Protocols

Policies, procedures, and protocols for the emergency care of children. These policies may be integrated into overall ED policies as long as pediatric-specific issues are addressed.

- ☐ Illness and injury triage
- ☐ Pediatric patient assessment and reassessment
- ☐ Identification and notification of the responsible provider of abnormal pediatric vital signs
- ☐ Immunization assessment and management of the under-immunized patient
- ☐ Sedation and analgesia, for procedures including medical imaging
- ☐ Consent, including when parent or legal guardian is not immediately available
- ☐ Social and behavioral health issues
- ☐ Physical or chemical restraint of patients
- ☐ Child maltreatment reporting and assessment
- ☐ Death of the child in the ED
- ☐ Do not resuscitate (DNR) orders
- ☐ Children with special health care needs
- ☐ Family and guardian presence during all aspects of emergency care, including resuscitation
- ☐ Patient, family, guardian, and caregiver education
- ☐ Discharge planning and instruction
- ☐ Bereavement counseling
- ☐ Communication with the patient's medical home or primary care provider as needed
- ☐ Telehealth and telecommunications

All-Hazard Disaster Preparedness

The written all-hazard disaster preparedness plan addresses



Checklist of Essential Pediatric Considerations for Every Hospital's Disaster Policies

EMSC
Emergency Medical Services for Children

Revised, September 2024

<https://emscimprovement.center/domains/pediatric-readiness-project/>

<https://emscimprovement.center/domains/preparedness/disaster-plan-prepare/disaster-checklist/>

Changing with the Changing Landscape

- **2022 Tripledemic**
 - RSV, COVID & Flu, oh my!
- **2023 Medical Response Surge Exercise**
 - Scenario: Pediatric trauma surge
- 2013 plan → 2024 plan



RESEARCH AND BREAKTHROUGHS

U.S. Hospitals Lost Almost 30% of Pediatric Inpatient Capacity Over a Decade

January 6, 2025 | by Wendy Wolfson

Changing with the Changing Landscape

- **2022 Tripledemic**
 - RSV, COVID & Flu, oh my!
- **2023 Medical Response Surge Exercise**
 - Scenario: Pediatric trauma surge
- 2013 plan → 2024 plan



Great for Los Angeles, but what about...

Steps that regions and hospitals can take

Resources Exist to Support Pediatric Preparedness

- Public-private collaborations
- ASPR Funded
- Sharing best practices & resources in preparedness, response, & recovery



Gulf-7
Pediatric Disaster
Network



Region V or Kids

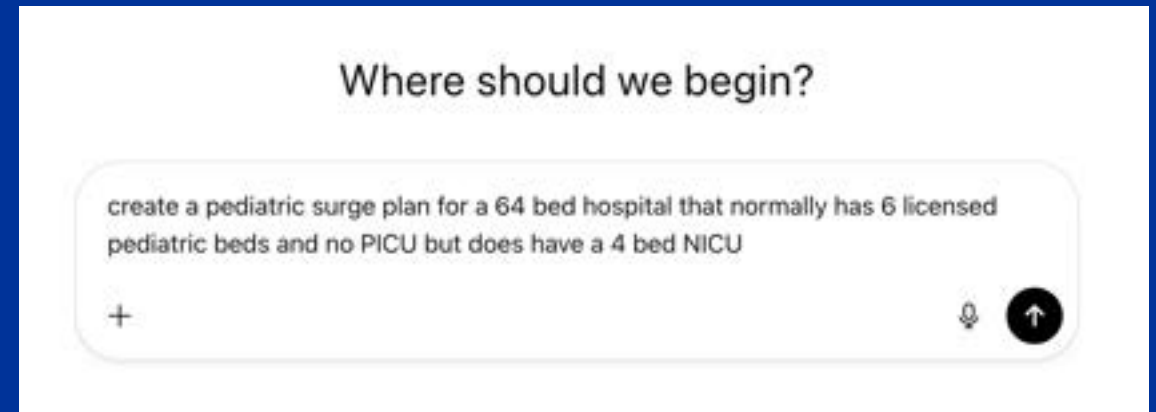


Western Regional Alliance
for Pediatric Emergency
Management (WRAP-EM)


| Awarded in 2022 | Awarded in 2019 | Awarded in 2019 |
|--|---|--|
| Anchored at Texas Children's Hospital (Houston, TX) | Anchored at UH Rainbow Babies & Children's Hospital (Cleveland, OH) | Anchored at UCSF Benioff Children's Hospital (Oakland, CA) |
| 7 U.S. states/territories: AL, FL, GA, LA, MS, TX, Puerto Rico | 6 U.S. states: IL, IN, MI, MN, OH, WI | 6 U.S. states: AZ, CA, NV, OR, UT, WA |

Template Are Ready

- Creating a plan *de novo* is lengthy and unnecessary
- You can use an AI “friend” to create the bones of yours
 - Requires HUMAN evaluation and adjustment!!



Empower EMS Agencies to Participate in Surge Response




National PRRP
Prehospital Pediatric Readiness Project
Ensuring Emergency Care for All Children

Prehospital Pediatric Readiness Checklist

This checklist is based on the 2020 joint policy statement "Pediatric Readiness in Emergency Medical services systems", co-authored by the American Academy of Pediatrics (AAP), American College of Emergency Physicians, Emergency Nurses Association, National Association of EMS Physicians, and National Association of EMTs. Additional details can be found in the AAP Technical Report "Pediatric Readiness in Emergency Medical services systems".

Use this tool to check if your EMS or fire-rescue agency is ready to care for children as recommended in the policy statement and technical report. Consider using resources compiled by the National Prehospital Pediatric Readiness Project Steering Committee when implementing the recommendations noted here, to include the **Prehospital Pediatric Readiness Toolkit**.



Education & Competencies for Providers

- ☐ Process(es) for ongoing pediatric specific education using one or more of the following modalities:
 - Classroom/in-person didactic sessions
 - Online/distributive education
 - Skills stations with practice using pediatric equipment, medication and protocols
 - Simulated events

Process for evaluating pediatric-specific competencies for the following types of skills:

- ☐ Psychomotor skills, such as, but not limited to:
 - Airway management
 - Fluid therapy
 - Medication administration
 - Vital signs assessment
 - Weight assessment for medication dosing and

Equipment and Supplies

- ☐ Utilize national consensus recommendations to guide availability of equipment and supplies to treat all ages
- ☐ Process for determining competency on available equipment and supplies

Patient and Medication Safety

- ☐ Utilization of tools to reduce pediatric medication dosing and administration errors, such as, but not limited to:
 - Length based tape
 - Volumetric dosing guide
- ☐ Policy for the safe transport of children
- ☐ Equipment necessary for the safe transport of children

Policies, Procedures, and Protocols (to include Medical Oversight)

- ☐ Prearrival instructions identified in EMS dispatch protocols include pediatric considerations, when relevant, such as, but not limited to:
 - Respiratory distress
 - Cardiac arrest
 - Choking
 - Seizure
 - Altered consciousness
- ☐ Policies, procedures, and protocols include pediatric considerations, such as, but not limited to:
 - Policy on pediatric refusals
 - Pediatric assessment
 - Consent and treatment of minors
 - Recognition and reporting of child maltreatment
 - Trauma triage
 - Children with special health care needs
- ☐ Direct medical oversight integrates pediatric-specific knowledge
- ☐ Protocols (indirect medical oversight) include pediatric evidence when available
- ☐ Destination policy that integrates pediatric-specific resources

Quality Improvement (QI)/ Performance Improvement (PI)

- ☐ QI process includes pediatric encounters
- ☐ Pediatric-specific measures are included in the PI process
- ☐ Submission of EMS agency data to the state's prehospital patient care database
- ☐ Submitted data is compliant with the current version of NEMSIS (version 3.0 or higher)
- ☐ Process to track pediatric patient-centered outcomes

Interaction with Systems of Care

Policies, procedures, protocols, and performance improvement initiatives involve ongoing collaboration with:

- ☐ Pediatric emergency care
- ☐ Public health
- ☐ Family advocates

Plans and exercises for disasters or mass casualty incidents include:

- ☐ Care of pediatric patients, such as, but not limited to:
 - Pediatric mental health first aid
 - Pediatric disaster triage
 - Pediatric dosing of medications used as antidotes
 - Pediatric mass transport
- ☐ Tracking of unaccompanied children
- ☐ Family reunification
- ☐ Collaborate with external personnel or have internal staff focused on enhancing pediatric care, such as, but not limited to:
 - Pediatric emergency care coordinator (PECC)/champion
 - Regional PECC/pediatric champion
 - Pediatric advisory council(s)
 - Medical director with pediatric knowledge and experience
- ☐ Understand pediatric capabilities at local and/or regional emergency departments for children with the following types of conditions:
 - Medical emergency
 - Traumatic injury
 - Behavioral health emergency
- ☐ Policies and/or procedures for transfer of responsibility of patient care at destination

Package Cross-Training & Tools

REGION V FOR *Kids*
PEDIATRIC DISASTER CENTER OF EXCELLENCE

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Pediatric Disaster Education

This curriculum will lay the framework for future development of accessibility and engaging educational programs to improve the outcomes of children in disasters, with opportunities to expand to all providers who care for children.

- Prepare for role-flexing adult to pediatric care



Module 3: Trauma, Triage, and EMS in Disasters

Upon completion of this module, participants should be able to:

- Advanced pediatric triage techniques that ensure the most effective use of limited resources
- Child-specific emergency medical services protocols for improved outcomes in mass casualties
- Rapid, thorough assessment methods to identify critical interventions for child victims in disaster settings

[ACCESS MODULE 3: TRAUMA](#)

<https://www.regionvforkids.org/peds-disaster-edu>

Package Cross-Training & Tools

- Prepare for role-flexing adult to pediatric care
- Adapt existing education & resources



Package Cross-Training & Tools

- Prepare for role-flexing adult to pediatric care
- Adapt existing education & resources

Emergency Empower Squad™: An Access and Functional Needs Response Team



Patient Communication Script: General Reassurance and Comfort

| Age Group | Example Script | "Preparing to Go" Language | "We Need to Go" Language |
|------------|---|--|--|
| Ages 3-7 | Hey there! Sometimes places feel a little too bright or noisy, and that's okay! I have some cool sunglasses and super-soft headphones that might help you. If you need a little break, we can take a deep breath together. I'll be right here! | If we ever need to leave [this room or this building], don't worry - I'll be with you every step of the way, just like a superhero team! | To stay safe, we're going to go together to a new place. I'll bring your favorite toy or comfort item with us. |
| Ages 8-12 | Sometimes places can feel busy or loud, and that's okay! When you feel this way, it might help you to find a quiet spot or just take a deep breath. I have some headphones and sunglasses that might help you. Let me know if you need some help. | If we ever need to leave [this room or this building], I'll help guide you to a safe spot. We'll stick together. | To stay safe, we're going to go together to a new place. If you need anything like your fidget toy or backpack, I'll make sure you have it before we go. |
| Ages 13-18 | I know things can feel overwhelming sometimes. When you feel this way, it might help you to pause and take a deep breath. If you need a quiet space, headphones, or other tools, let me know. I'm here to help. | If we need to leave [this room or this building], I'll let you know what's happening and help you get to where we need to go. | To stay safe, it's time to move to another area. I'll make sure you have anything you need - just let me know what helps you feel most comfortable. |

Southern California Wildfires of 2025

- Pediatric expertise, community preparation
- **Children's Hospital Los Angeles (CHLA)**
 - Prepared for surge of respiratory cases
 - Advised local schools on outdoor activity safety.
- **Miller Children & Women's Hospital**
 - Shared pediatric resources to proximate hospitals
- **Ronald Reagan UCLA Medical Center (RR-UCLA)**
 - Reviewed pediatric evacuation plans with fire leadership
 - Coached NICUs on reverse triage & evacuation



In Summary

- Pediatric Readiness and Response plans provide a framework to save lives in pediatric surge
- Constitute resilient, sustainable, and flexible solutions
- Can align with existing plans & established infrastructure
- Benefit from regional cooperation, pediatric expertise, and input from end-users
- Templates & resources exist for your facility/agency

