

# EMS for Children

Marc Minkler  
Maine EMS-C Program Manager



## EMS-C Disclosure

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The mission of Emergency Medical Services for Children (EMSC) is to **reduce child and youth mortality and morbidity resulting from severe illness or trauma.**

**EMSC** | **IIC**  
Emergency Medical Services for Children | Innovation & Improvement Center

## EMS-C?

- Emergency Medical Services for Children
- From birth through age 18
- 26% of Maine's population – Approximately 335,000 age 18 and under

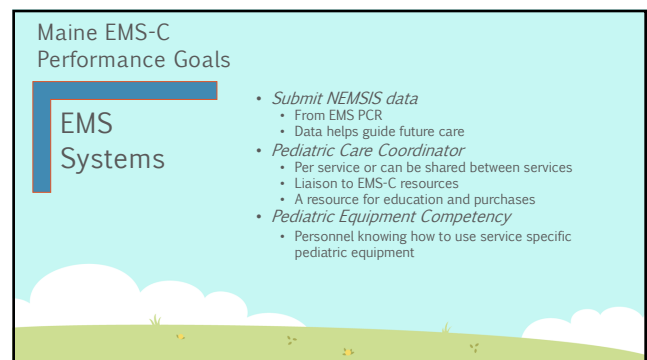
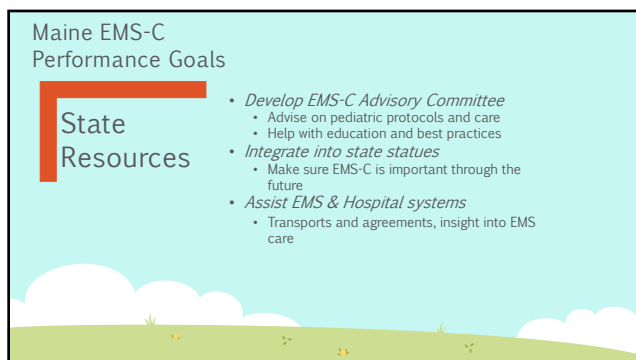
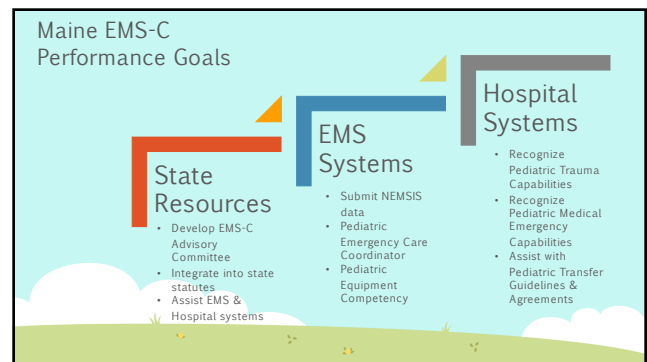
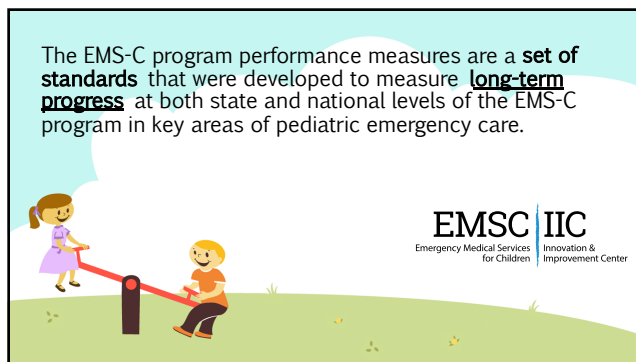
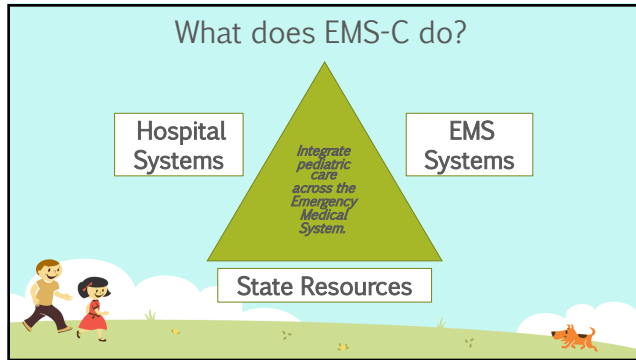


## Early History

- 1979 – Dr. Calvin C.J. Sia sought legislation through Sen. Daniel Inouye (HI) to improve pediatric care.
- 1984 – Congress enacted legislation to use federal funds for EMS-C
  - Preventive Health Amendments of 1984 (PL 98-555)
- 1985 – Grant process announced
- 1986 – First grants awarded (AL, CA, NY, OR)
- 1987 – Maine receives EMS-C grant



Dr. Calvin C.J. Sia



## Maine EMS-C Performance Goals

### Hospital Systems

- *Recognize Pediatric Trauma Capabilities*
- *Recognize Pediatric Medical Emergency Capabilities*
  - What are individual hospital thresholds. We will not define them, but encourage hospitals to have a definition of them
- *Assist with Pediatric Transfer Guidelines & Agreements*
  - Once a pediatric patient reaches (or better, approaches) this threshold:
    - Have a plan as to moving the patient
    - Have agreements for facilities to receive these patients

Where are we now?

## Maine Pediatric Data

Jan 1, 2018 – Dec 31, 2018

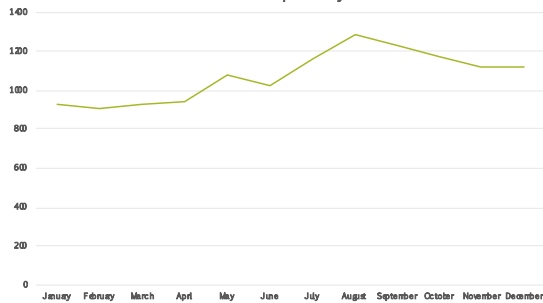


276 EMS Agencies in Maine evaluated 12,891 pediatric patients between January 1, 2018 and December 31, 2018

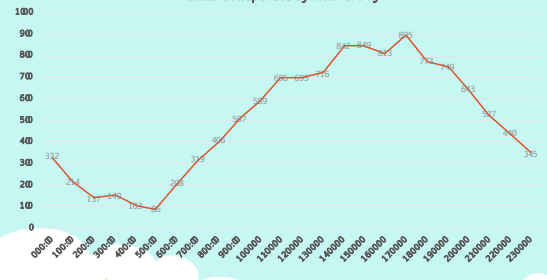
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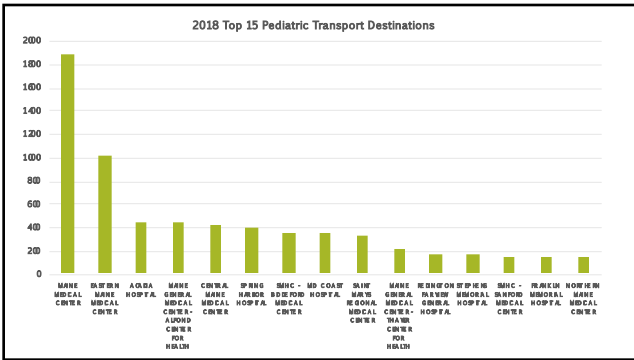
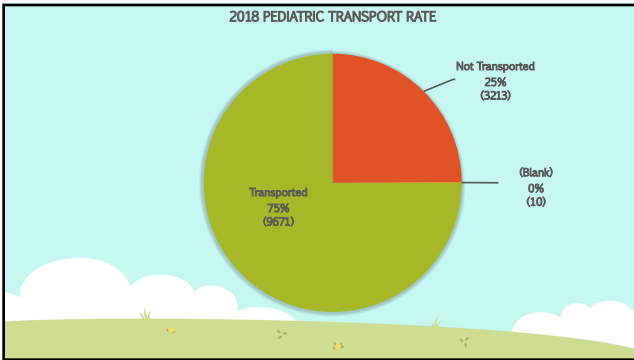
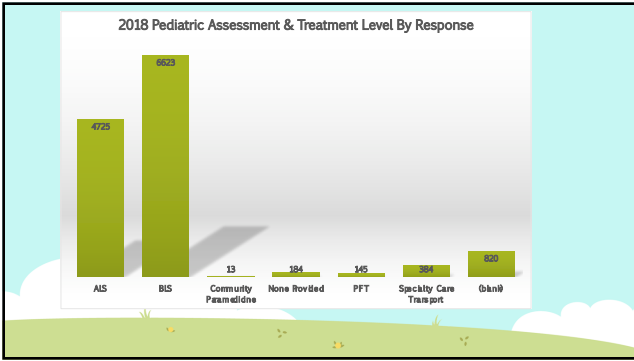
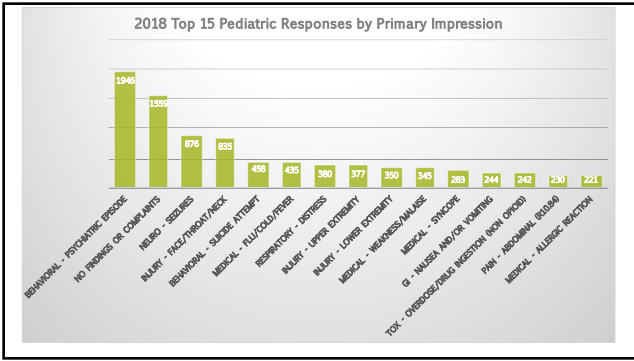
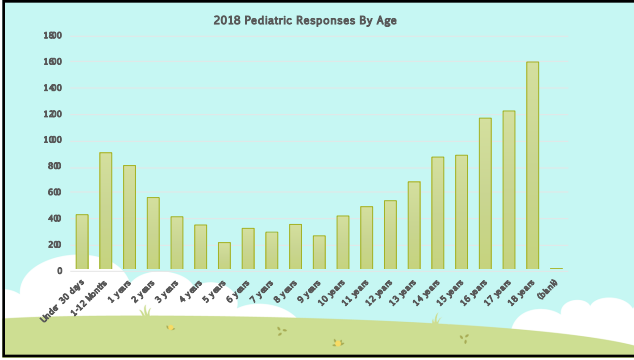
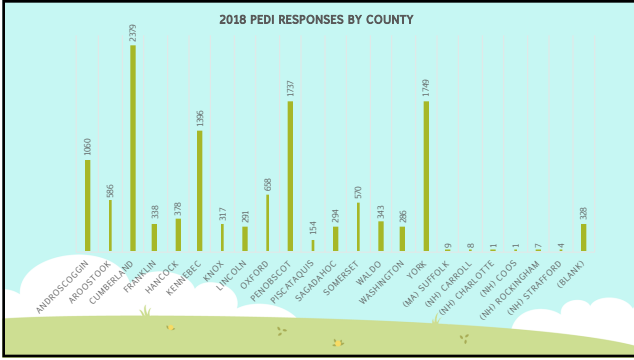
- American Ambulance
- LifeFlight of Maine
- North East Mobile Health Services (prior to 3/1/18)
- Portland Fire Department/MEDCU (prior to 8/1/18)
- United Ambulance (prior to 8/1/18)

2018 Pediatric Responses By Month



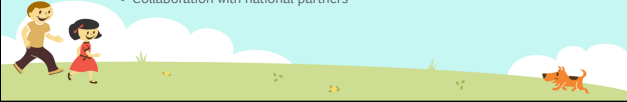
Pediatric Responses by Hour of Day





### Where are we going?

- Producing education from identified pediatric responses
- Meeting with regional and state groups to better communicate
- Legislation submitted for pediatric representation on State EMS Board
- Collaboration with national partners



### So What About Disaster Management/Response?



Winslow, ME 12/20/18



Bridgewater, ME 4/4/19



Scarborough ME 5/31/18

### So What About Disaster Management/Response?

- With Primary Family/Guardian
- Not With Primary Family/Guardian
  - Educational Setting
  - Healthcare Setting
  - Non-Primary Family Guardian
  - "Loose"
- Resources



### Disasters

#### *With Primary Family/Guardian*

- "Best" case scenario

#### Issues

- HIGH ADULT TO PEDIATRIC RATIO
- Ensuring Unity



### Disasters

#### *Educational Setting*

- School
- Boarding School
- After-school activities
- School bus
- Issues
  - HIGH PEDIATRIC TO ADULT RATIO
  - Notification/Reunification
  - Swarming



### Disasters

#### *Healthcare Setting*

- Admitted patient in hospital
- Skilled Nursing Facility

#### Issues

- HIGH PEDIATRIC TO ADULT RATIO
- Notification/Reunification
- Transport/Mobility Needs
- Maintaining/Resuming level of care

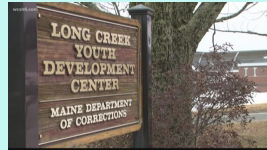


Disasters  
*Secondary Family/Guardian*

- Daycare
- Relatives/Friends
- Correctional

## Issues

- HIGH PEDIATRIC TO ADULT RATIO
- Notification/Reunification
- Transport/Security Needs



## Disasters

### *"Loose Children"*

- Age dependent

## Issues

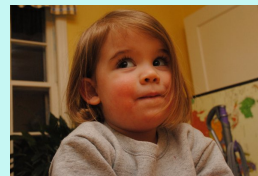
- No Pedi:Adult Ratio
- Notification/Reunification
- Following Directions

Disasters  
*Resources*

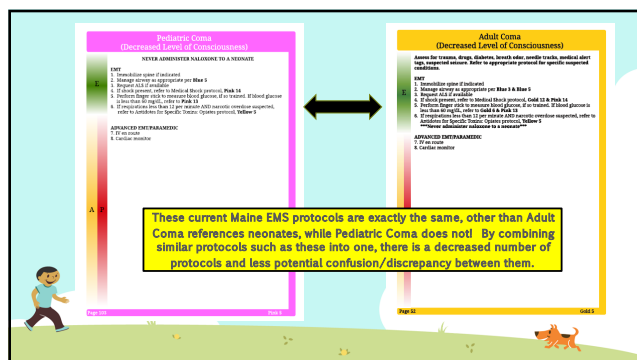
- Transport
  - Buses
  - Ambulances
  - Specialized Ambulances
- Destinations
  - Secure
  - With oversight
  - PEDI "Stuff"
    - Cribs
    - Diapers
    - Food



## Additional Opportunities



- Dedicated Website
- School Emergency Guidelines
- Pediatric Emergency Care Coordinators
- Hospital Recognition Program



## Summary / Reflection

**Convince** – "cause someone to believe firmly in the truth of something"

- Latin *convincere* meaning "to overcome decisively"

*versus*

Educate – “to develop the faculties and powers of someone”

- Latin ducere, meaning “to lead”





Last thoughts

Maine EMS-C is here to help  
educate, improve and NOT dictate

For more information:  
Visit: [maine.gov/ems/](http://maine.gov/ems/)  
Email: [marc.a.minkler@maine.gov](mailto:marc.a.minkler@maine.gov)  
Call: 207-626-3867

