



STATE OF MAINE
DEPARTMENT OF PUBLIC SAFETY
MAINE EMERGENCY MEDICAL SERVICES
152 STATE HOUSE STATION
AUGUSTA, MAINE 04333



JANET T. MILLS
GOVERNOR



MICHAEL SAUSCHUCK
COMMISSIONER

J. SAM HURLEY
DIRECTOR

Maine EMS for Children Advisory Committee

June 8, 2023 0930-1100

Via Zoom

I. **Call to Order** at 0930

Members Present:

Dr. Rachel Williams, State Pediatric Medical Director
Heidi Cote, RN, ED Manager, MMC
Dr. Allison Zanno, Neonatologist
Marc Minkler, NRP, EMSC Program Manager
Brian Richardson, FAN, Senior Director of Emergency Management & Preparedness, MaineHealth
Frank McClellan, NRP, CF-P, EMS Provider
Courtney Cook, RN, VP of Nursing & Patient Care at Northern Light Inland Hospital
Dr. Rosie Davis, Pediatric Hospitalist, CMMC
Dr. Kate Zimmerman, Maine State EMS Associate Medical Director

MEMS Staff:

Chris Azevedo, Maine EMS State Education Coordinator

Stakeholders:

Sarah Austin, RN, State Perinatal Educator
Dr. Amy Belisle, Maine State Chief Pediatrician, Maine DHHS

II. **Introductions/Public Comments:**

Attendees introduced themselves. Minkler reads EMS mission statement:

"The mission of Maine EMS is to promote and provide for a comprehensive and effective Emergency Medical Services system to ensure optimum patient care with standards for all providers. All members of this committee should strive to promote the core values of excellence, support, collaboration, and integrity. In serving on this committee, we commit to serve the respective providers, communities, and residents of the jurisdictions that we represent."

No public comments.

● **Excellence** ● **Support** ● **Collaboration** ● **Integrity** ●

PHONE: (207) 626-3860

TTY: (207) 287-3659

FAX: (207) 287-62

With offices located at the Central Maine Commerce Center, 45 Commerce Drive, Suite 1, Augusta, ME 04330

- III. **EMS Office Update:** Minkler provides update on various Maine EMS activities and office updates. Presents on Blue Ribbon Commission report and the Maine EMS Vision for 2035 document. Copies made available via website.
- IV. **EMS-C Program Update:** Minkler reports on status of current grant. Year 5 ended March 31, and financials in process for reporting to HRSA. New grant year (Year 6) began Apr 1 and goes through March 31, 2024. First non-competing continuation report due July 30, 2023.
- V. **Virtual Reality:** Minkler provides update on use of devices, including at an initial licensure class in Belgrade for EMT students. Interest from services, but lack of commitment as to when to do course. Working with company on some possible marketing strategies.
- VI. **BLSO:** Sarah Austin provides update on BLSO and newborn care classes being done statewide, 10 classes completed and 2 pending. Seeking new funding to continue courses as they have been very successful or pediatric readiness for EMS and EDs, especially in rural areas.
- VII. **Perinatal Systems of Care:** Dr. Belisle provides update on activities of PSOC group and collaboration with pregnant people, newborns, and care and transport of these patients, both 911 and IFT.
- VIII. **NASEMSO:** Minkler provides update on NASEMSO activities and pediatric collaboration with other states and US territories.
- IX. **Pediatric Medical Director Update:** Williams provide an update on state EMS Medical Direction Practices and Board meetings and activities regarding updates to pediatric care protocols and updates planned for December 1, 2023 release.
- X. **EMS Survey Update**
 - a. Minkler provides update on survey dates and response rates (89.5% of Maine EMS agencies completed the survey)
 - b. Discussion on initial data results.
- XI. **Other Program Updates**
 - a. Minkler updates on MEMSEd programs available 24/7 and free statewide
 - i. Safe sleep with Maine Safe Sleep Coalition has had 669 participants.
 - ii. BRUE has had 605 participants.
 - iii. Seizure program has had 803 participants.
 - iv. Pediatric Assessment Triangle has had 585 participants.
 - v. Total of 2,662 participants for 3,395 hours of CEH.
 - b. Stork Award Updates
 - c. Updates on collaboration with Maine AAP Chapter
 - d. Update on collaboration with MCD on Pediatric Behavioral Health education

● **Excellence** ● **Support** ● **Collaboration** ● **Integrity** ●

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- e. Minkler provided an update on other EMSC activities.
 - i. Perinatal IFT
 - ii. Maternal Fetal Infant Mortality Review Panel
 - iii. Maine Collaboration of Care for Children with Serious Illness Committee
 - iv. Support of pediatric medical director
 - v. Various state meetings (Board, MDPB, Education & Exam, TAC, IFT, etc)
 - vi. Data assistance to DHHS, individual agencies
 - vii. QI review of pediatric calls, QI sessions with midwives
- f. Update on data regarding State of Pediatric EMS in Maine in Q1 2023
- g. Minkler updates on Always Ready for Children Program
- h. Update on 2022 ACS standards for pediatric readiness and impact for Trauma Centers in Maine

XII. Open discussion

- a. Opportunity for further questions, items

XIII. Adjournment

- a. Meeting adjourned at 11am
- b. Next meeting September 14, 2023 at 0930

NOTE – PDF of powerpoint presentation attached to these minutes
Minutes recorded by Marc Minkler.



June 8, 2023
Advisory Committee Meeting

Welcome!

■ Introductions



Conflict of Interest Disclosure

A situation in which a person has a duty to more than one person or organization but cannot do justice to the actual, or potentially adverse, interests of both parties.

Mission Statement

“The mission of Maine EMS is to promote and provide for a comprehensive and effective Emergency Medical Services system to ensure optimum patient care with standards for all providers. All members of this committee should strive to promote the core values of excellence, support, collaboration, and integrity. In serving on this committee, we commit to serve the respective providers, communities, and residents of the jurisdictions that we represent.”

Maine EMS Update





State of Maine
130th Legislature, Second Regular Session

Blue Ribbon Commission To
Study Emergency Medical Services
in the State

December 2022

Office of Policy and Legal Analysis



Maine EMS Vision & Planning

Plan for a Sustainable EMS System in the State of Maine

A Vision for 2035

May 2023

MAINE
KEMS



Overall grant reporting

- Year 5 ended March 31, 2023
 - *End of project (2018-2023) finance & performance report due July 6, 2023*
- Year 6 began April 1, 2023
 - *Year 6-9 New Competing Grant Performance Report due July 30, 2023*

Grant continuation

- Submitted Nov 7, 2022
 - *Originally \$820,000 over 4 years*
- Awarded and renewed on May 6, 2023
- Apr 1, 2023 through March 31, 2027
 - *Total = \$713,400*
 - *Y 6 = \$190,650*
 - *Y 7,8,9 = \$174,250/yr*
- No state money allocated

U.S. Department of Health and Human Services

HRSA

Health Resources & Services Administration

NOTICE OF FUNDING OPPORTUNITY

Fiscal Year 2023

Maternal and Child Health Bureau

Division of Child, Adolescent and Family Health

Emergency Medical Services for Children State Partnership

Funding Opportunity Number: HRSA-23-083

Funding Opportunity Type(s): Competing Continuation, New

Assistance Listings Number: 93.127

Application Due Date: November 7, 2022

Ensure your SAM.gov and Grants.gov registrations and passwords are current immediately!

HRSA will not approve deadline extensions for lack of registration.

Registration in all systems may take up to 1 month to complete.

Issuance Date: August 9, 2022

Jocelyn Hulbert
Public Health Analyst/Project Officer
Division of Child, Adolescent and Family Health
Emergency Medical Services for Children Branch
Telephone: (301) 443-7436
Email: JHulbert@hrsa.gov

See [Section VII](#) for a complete list of agency contacts.

Authority: 42 U.S.C. § 300w-9 (Title XIX, § 1910 of the Public Health Service Act)

Virtual Reality

- Successful use at EMT course in Belgrade
- Continuing interest but no follow through
- Meeting with Director of Product & Customer Strategy in July



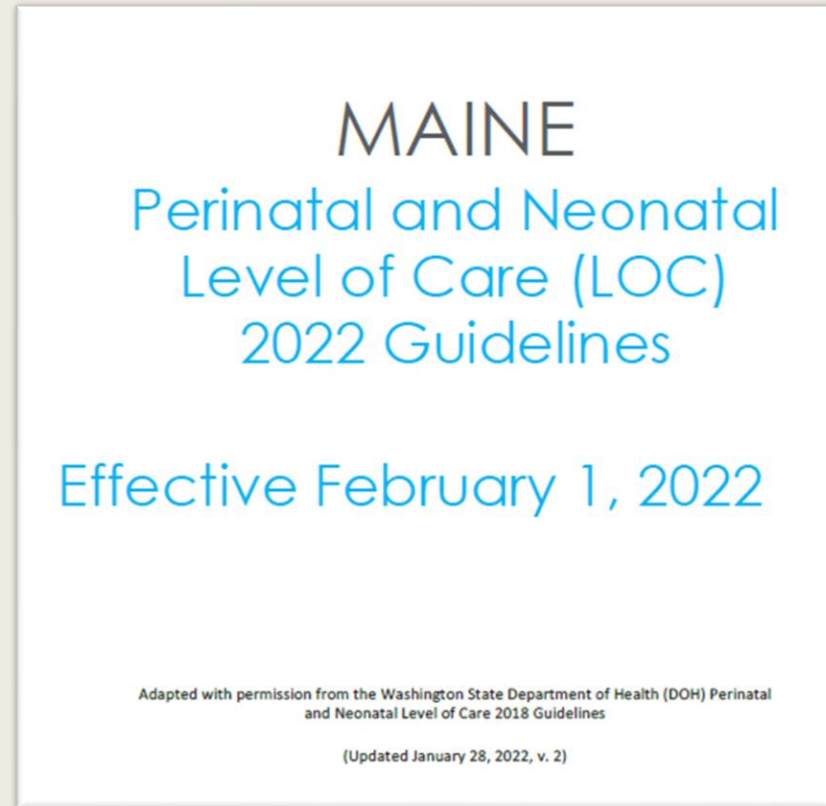


- Grant funded opportunity with DHHS
- 10 classes completed
 - Calais Regional Hospital
 - Downeast Community Hospital
 - Samoset EMS Conference, Rockport
 - Med-Care Ambulance (Mexico)
 - Howland Fire Department
 - Millinocket Regional Hospital
 - Rumford Community Hospital
 - Presque Isle
 - Northern Maine Medical Center
 - Redington Fairview Hospital
- 2 classes pending
 - Paris – June 9
 - Bridgton Hospital – June 22



Perinatal Systems of Care

- DHHS, EMS, Public Health, Hospitals, Division of Disease Prevention, Maine Hospital Association, many others
- **“Achieve healthy pregnancies & the best possible maternal & birth outcomes in all areas of the state, and across all populations”**
 - *Reduce the Infant Mortality Rate to 4 deaths per 1000 live births over the next 5 years in Maine.*
- **“Ensure all mothers and infants receive the right care in the right place at the right time through perinatal regionalization efforts.”**
 - *Ensure access to perinatal care for all areas of the state, especially rural, so that all women and infants receive timely and high-quality care*
 - *Assure appropriate transport of women and infants*



Perinatal IFT

- Pilot study completed
- Reviewing results
- Determining next steps....



NAEMSO Pediatric Emergency Care Council

- Collaborative effort of all 50 states, DC, and freely associated territories, to integrate states needs, federal resources, and EMS-C activities
- Various Roles
 - *Chair of NAEMSO US Pediatric Council*
 - *Board of Directors*
 - *Pediatric EMS rep to NAEMSP*
 - *Pediatric EMS rep to Rural EMS Committee*
- East region meeting Nov 1 in New Jersey
- National virtual meeting March 28, 2023
- National in-person meeting in June 10-15, 2023 (Reno, NV)

Maine EMS Protocols

- Updates underway for 2023!



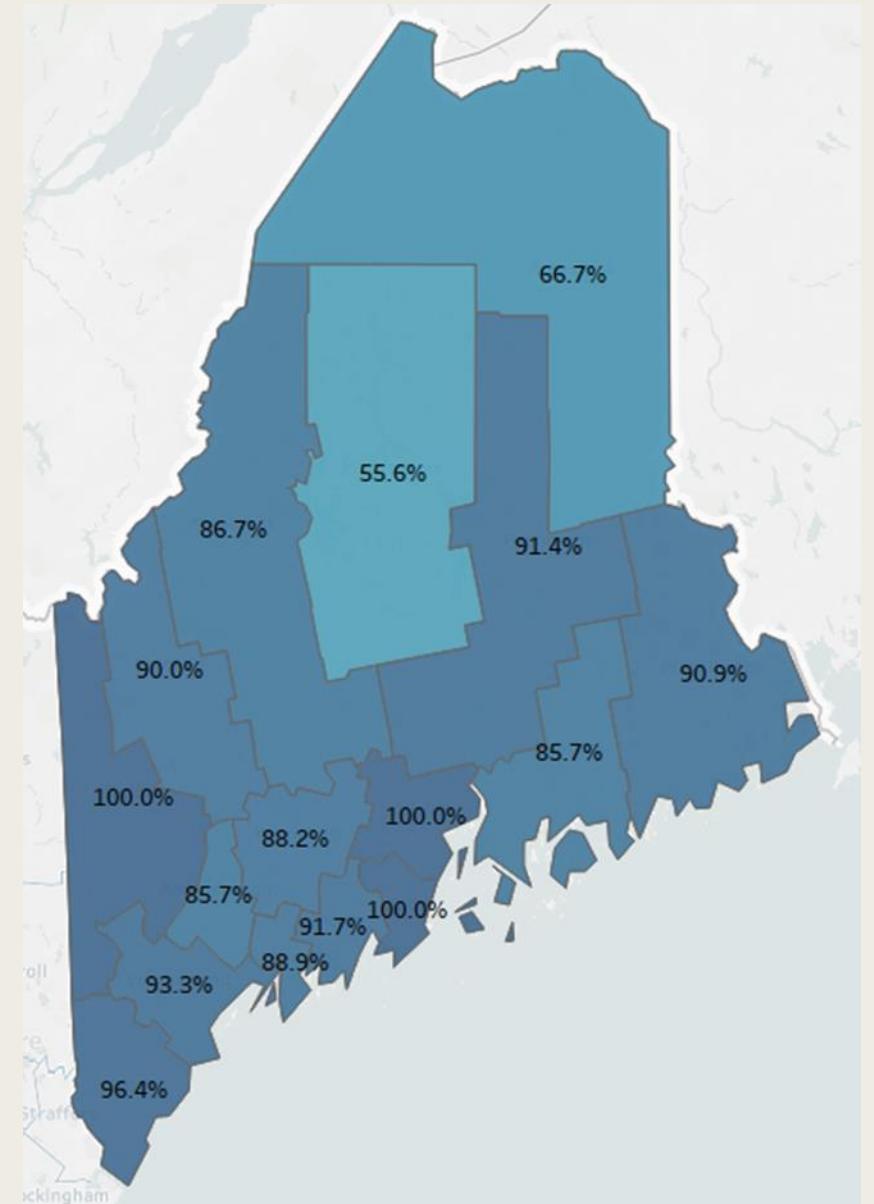
PREHOSPITAL TREATMENT PROTOCOLS

**Effective
December 1, 2023**

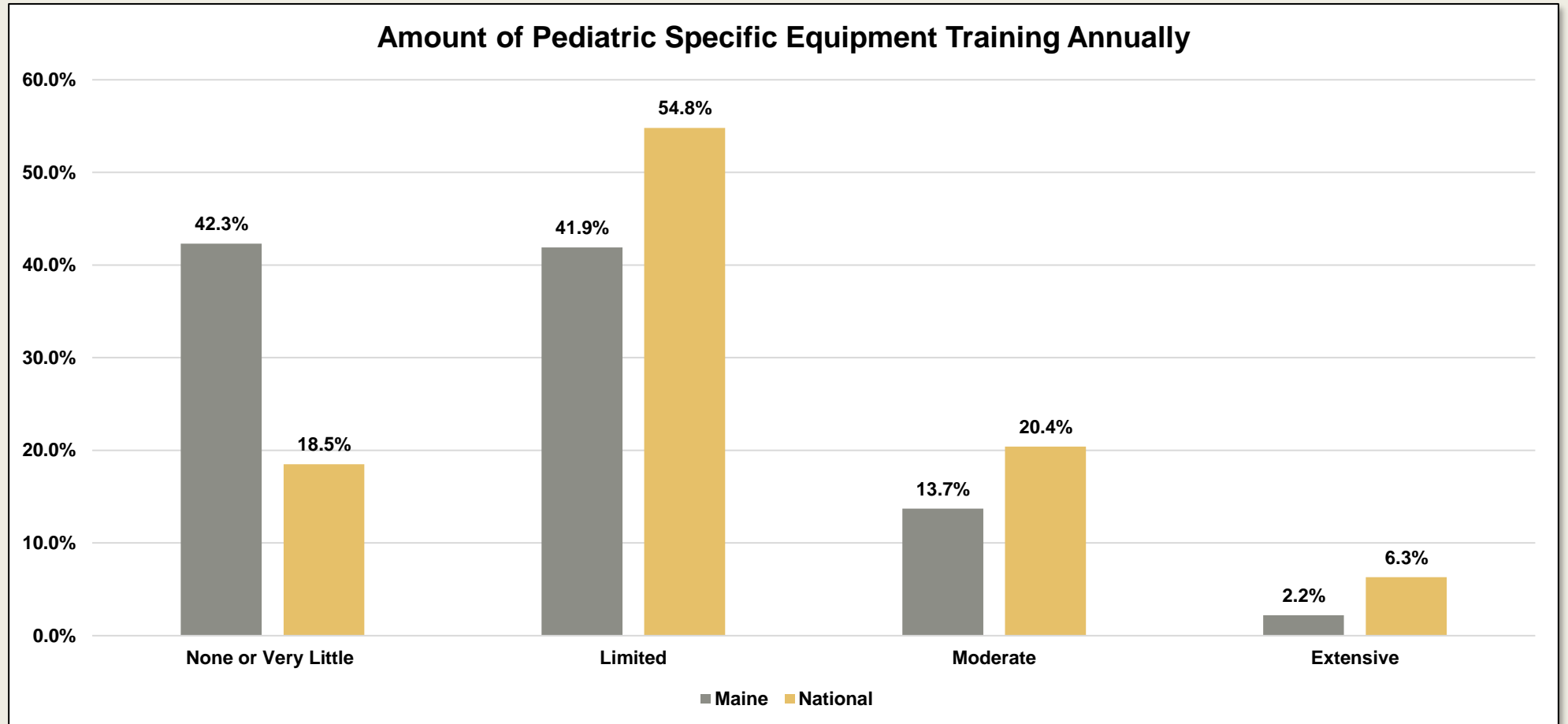
Maine Emergency Medical Services
152 State House Station
Augusta, Maine 04333
TEL (207) 626-3860 TTY (207) 287-3659
FAX (207) 287-6251

EMS Survey (NPPRP)

- Survey of all 911 EMS agencies in Maine
- Survey closed March 31, 2023
- Looked at:
 - *EMS PECC*
 - *Pediatric specific equipment education*
- 89.5% response rate (229/256)



EMS Survey (NPPRP)

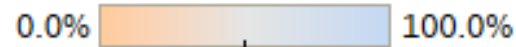


EMS Survey (NPPRP)

(0 pts)

Use of Pediatric-Specific Equipment Matrix:

% of Agencies Legend:



	Two or more times per year (4pts)	At least once per year (2pts)	At least once every two years (1pt)	Less frequency than once every two years (0 pts)	None
How often are your providers required to demonstrate skills via a SKILL STATION?	7.5% (n=17)	27.3% (n=62)	10.1% (n=23)	3.5% (n=8)	51.5% (n=117)
How often are your providers required to demonstrate skills via a SIMULATED EVENT?	7.0% (n=16)	27.8% (n=63)	9.7% (n=22)	5.3% (n=12)	50.2% (n=114)
How often are your providers required to demonstrate skills via a FIELD ENCOUNTER?	2.2% (n=5)	12.8% (n=29)	3.5% (n=8)	2.6% (n=6)	78.9% (n=179)

EMS Survey (NPPRP)

Does your EMS agency have a Pediatric Emergency Care Coordinator?

	Maine	National
Has a PECC	13.7%	37.2%
Plans to add a PECC	6.6%	4.9%
Interested in a PECC	15.9%	17.3%
No PECC	63.9%	40.6%

National Grant Goals

60% by 2023

90% by 2026



EMS Survey (NPPRP)

Average Pediatric Call Volume by Agency

Pediatric EMS Call Volume	Maine	National
High (50+ calls/month)	1 (0.4%)	0.4%
Medium High (8-50 calls/month)	15 (6.6%)	12.7%
Medium (1-8 calls/month)	88 (38.7%)	37.7%
Low (1 or fewer calls/month)	105 (46.2%)	41.7%
None reported	18 (7.9%)	3.4%

- ***93% of Maine EMS agencies did less than 8 pediatric calls per month***
- ***54% did less than 1 per month***

MEMSEd Programs on Pediatrics

- Safe Sleep – 669
 - BRUE - 605
 - Seizures – 803
 - Pediatric Assessment Triangle – 585
-
- TOTAL: 2,662 participants
 - CEH: 3,395 hours



Stork Awards

January to June

2022

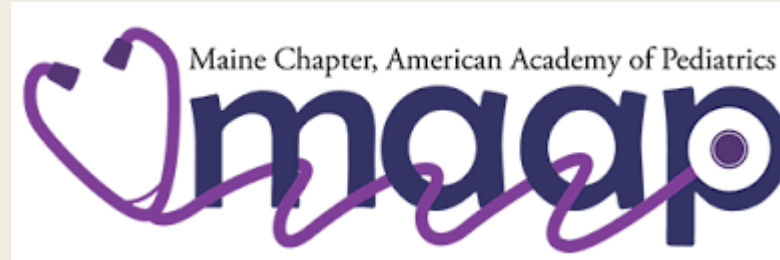
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2023

4

Cool stakeholder activities

- Working with Maine AAP
 - *Ambassador program for PECC & Readiness*



- Working with Maine CDC and Medical Care Development (MCD)
 - *Behavioral Health training series*



Other activities - a sampling

- Maternal Fetal Infant Mortality Review Panel
- Maine Collaboration of Care for Children with Serious Illness Committee
- Support of pediatric medical director
- Various state meetings (Board, MDPB, Education & Exam, TAC, IFT, etc)
- Data assistance to DHHS, individual agencies
- QI review of pediatric calls, QI sessions with midwives
- Presentations at
 - *Maine ENA Conference (South Portland, Apr 2023)*
 - *Cabin Fever EMS Conference (Freeport, Apr 2023)*
 - *NASEMSO (Reno, June 2023)*
 - *EMS World Expo (New Orleans, Sept, 2023)*



Maine EMS Responses *Under 18 years old* Quarter 1 (Jan – Mar) 2023



2,334

911

*(Includes 911, Intercept,
Mutual Aid, Public
Assistance, & Standby)*



852

IFT

*(Includes IFT, PIFT, SCT,
& Medical Transport)*



9

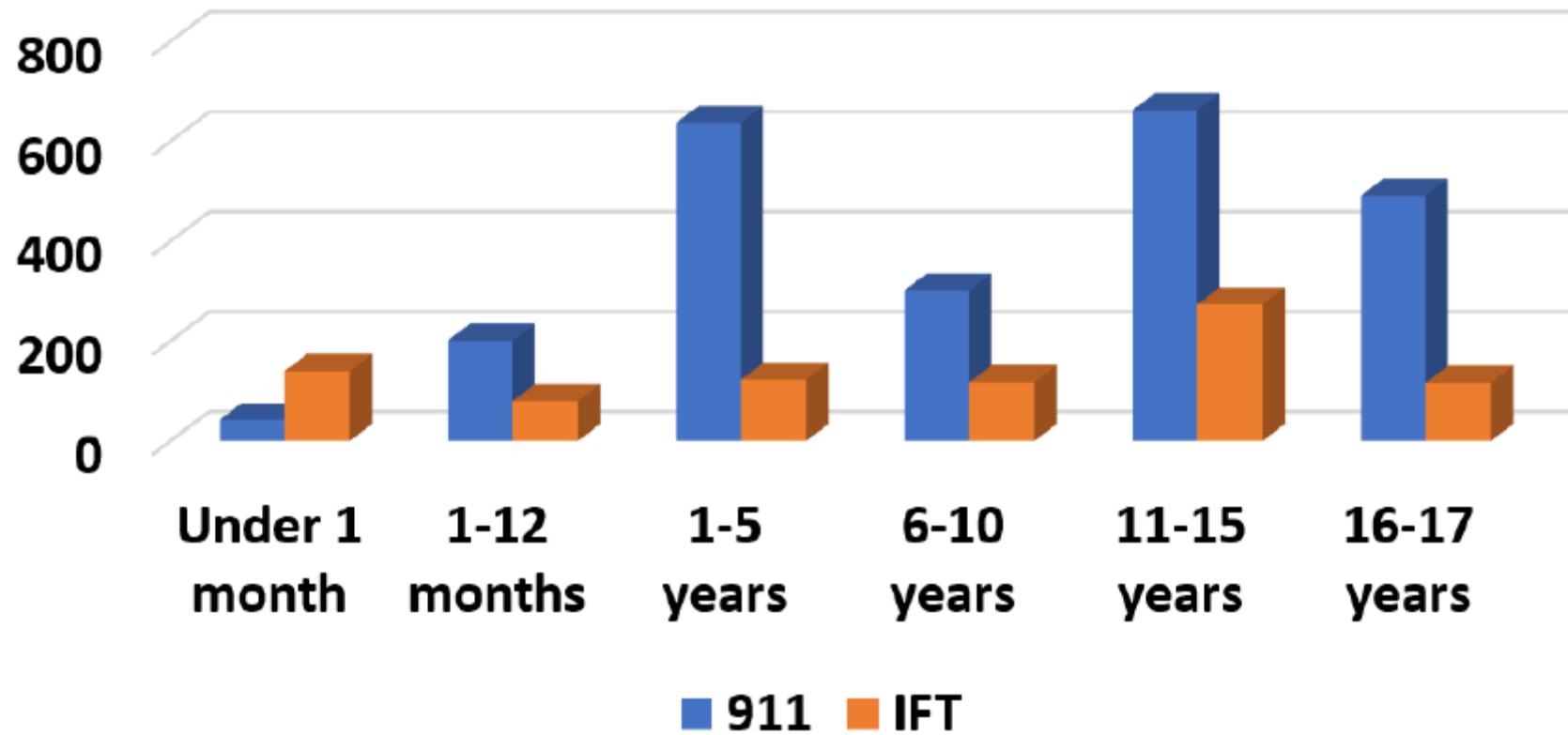
**Community
Paramedicine**

When did pediatric calls occur?

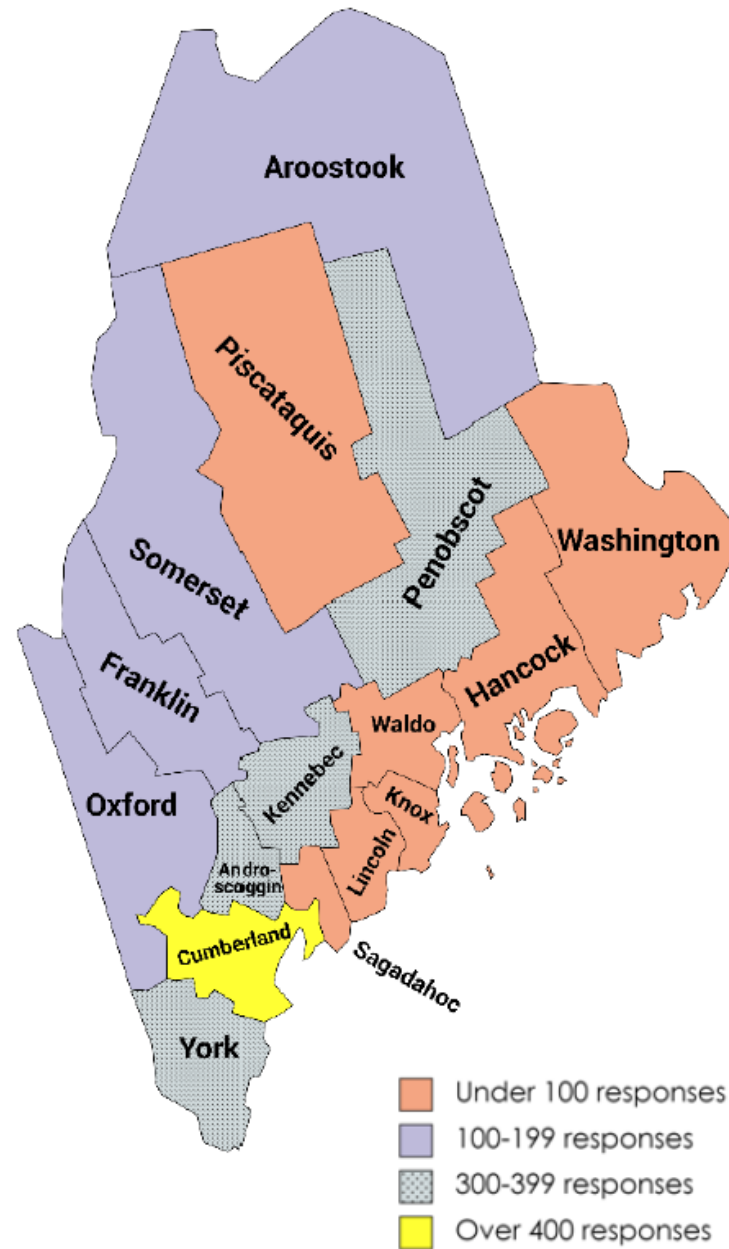
The busiest time of day was between 4 and 5pm

Time of day	% of calls
0000-0600	9%
0600-1200	26%
1200-1800	36%
1800-0000	28%

EMS Responses By Age Q1 2023



Where did pediatric calls occur?



What conditions did EMS respond to?

Top 10 EMS Responses - Q1 2023 (Under 18 years old)

Summarized from Primary Impression & Primary Symptom

911 Responses	Responses
Behavioral	270
Shortness of Breath	252
Seizure / Neuro	246
No Findings or Complaints	219
Altered Mental Status	157
GI	111
Pain - Lower Extremity	110
Pain - Head/Face/Neck	109
Behavioral - Suicidal Ideations	96
Fever/Cough/Cold/Flu	80
Top 10 equals 71% of all 911 Responses	

IFT Responses	Responses
Behavioral	160
Shortness of Breath	131
Medical - Misc	128
Behavioral - Suicidal Ideations	117
Abdominal Pain	53
Malaise / Weakness	43
Not Recorded / Blank	31
Altered Mental Status	27
Fever/Cough/Cold/Flu	27
Seizure / Neuro	21
Top 10 equals 87% of all IFT Responses	

What interventions did EMS provide?

Top 10 medications administered to patients under 18

Medication	Patients
Oxygen	130
Normal Saline	76
Fentanyl	44
Ondansetron	40
Albuterol	35
Midazolam	28
DuoNeb/Combivent	23
Epinephrine 1 mg/1ml (1:1000)	23
Acetaminophen	16
Dexamethasone	15

Top 10 meds represent 79% of all patients receiving a med

Top 10 procedures for patients under the age of 18

Count	Procedure
211	IV
196	EKG
118	Blood Glucose
42	Cervical Collar
27	General Splinting
25	Suctioning
24	General Wound Care
14	Orogastric Tube - Insertion
12	12 lead EKG
12	Cold Pack Application

How often did EMS not transport pediatric patients?

Patient contact, not transported

	Under 18	Over 18
Q1 2022	24%	15%
Q1 2023	22%	14%

Patient contact & assessment occurred. Does not include cancelled, standbys, intercepts, or non-transport service handoffs to transporting services.

Maine Always Ready for Children program

- Commitment Letter
- Complete PPRP Survey
- Maine Always Ready for Children Guide
- Resources
 - *Evidence*
 - *ED Checklist*
 - *PECC role template*
 - *Behavioral Health Toolkit*



Always Ready for Children



INNOVATOR



Always Ready for Children

CT • MA • ME • NH • NJ • NY • RI • VT

Hospital Recognition Standards

	NPRA	PECC	Improvement Plan	Share Resources
Pediatric Engaged	Any score	Yes		
Pediatric Ready	At least 70	Yes	Yes	
Pediatric Innovator	At least 80	Yes	Yes	Yes



Always Ready for Children

★ ENGAGED ★



Always Ready for Children

★ READY ★



Always Ready for Children

★ INNOVATOR ★

2022 American College of Surgeons Trauma Center Standards

"Resources for Optimal Care of the Injured Patient: 2022 Standards"

The 2022 standards will require all trauma center Emergency Departments to evaluate their pediatric readiness and be identified through "Always Ready for Children" program.

Current ACS trauma centers in Maine

- Level 1 – Maine Medical Center
- Level 2 – Northern Light – Eastern Maine Medical Center
- Level 3 – Central Maine Medical Center

What questions do you have?



Other

- Discussion of any new/unresolved topics?
- Please visit the Maine EMS homepage for the calendar and other important meetings.
- Next meeting date at 0930
 - *Sept 14, 2023*

For more info:

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