











	<h1>Pediatric Emergency Medical Advisory Committee</h1> <h2>MINUTES: May 4, 2022 @ 9:30 AM to 12:00 PM</h2> <p>PEMAC will be held through Go To Meeting with Conference Call (computer audio or phone)</p>	
Type of meeting:	Pediatric Emergency Medical Advisory Committee VIRTUAL Business meeting 9:30 AM -12:00 PM Family Advisory Networking meeting 12:30 – 2:30 PM (all are welcome)	
Member & Liaison Attendees	Jennifer Anders MD; Daniel Ochsenschlager MD; Mary Alice Vanhoy RN; Lisa Wilson EMT; Laurel Moody RN; Danielle Joy RN; Scott Legore NRP; Cyndy Wright-Johnson RN; Jill Dannenfelser RN; Jennifer Denault RN; Richard Lichenstein MD; Richard High EMT; Kathy Brown MD; Andrew Robertson NRP, Susanne Ogaitis Jones MSPH, Karen O'Connell MD, Kathy Brown MD, Emily Dorosz RN, Laurel Moody RN	
Guests:		
RSVP regrets:	Jen Andrews NRP, Anandi Budi MD,	
	May 4, 2022 Agenda & Minutes Approved 7/6/2022	
9:30 AM	Welcome & Introductions 1. Member Roll Call and brief introduction of visitors & guest 2. Quick Review of Go To Meeting functions 3. List of Documents, Liaison & Committee Reports	Cynthia Wright Johnson RN
9:35 AM	PEMAC Business: 1. Review of March 2022 Minutes: motion to approve by Mary Alice Vanhoy, Second by Daniel Ochsenschlager. Unanimously approved. 2. 2022 Meeting Schedule & Afternoon Forums have been distributed and are posted on MIEMSS website 3. Membership: ENA representative will join in July 2022	Rich Lichenstein MD Cyndy Wright Johnson RN
9:45 AM	PEMAC May 2022 Consent Agenda: 1. EMSC & Safe Kids Update – handout 2. EMSC Education Update - handout 3. 2022 Educational Conference List – handout 4. CPS Grant Update – handout 5. Bike Safety Grant Update – handout 6. Injury Prevention updates listed at the end of the agenda with website links & contact emails	EMSC Department Staff Team
10:00 AM	Maryland Protocols for EMS Providers – 2022 1. July 1 2022 Protocol update Roll Out (taping in progress for release soon. Base Station Update to follow – short). 2. Updates from Protocol Review Committee a) PediDOSE research protocol was approved by PRC and goes to SEMSAC and the EMS Board (Approved 4/2022 with updates every 6 months) b) Ketamine for Pacing proposal (Consult in Pediatrics) c) Extraglottic Airways - by July 1 2022, each EMSOP will need to have purchased a full set of sizes from one of the four types of equipment. See language below: Extraglottic Airways: This addition to the Procedures section allows for the use of extraglottic/supraglottic airways including the King LTS-D, LMA, Air-Q, and iGel. An EMS operational program must select one of these airway devices and carry sizes appropriate for all patients from newborn through adult. These devices serve a critically important role in assisting ventilation and oxygenation to patients with compromised airways.	Jen Anders MD

	<p>to host them in person based upon feedback. Staffing is not sufficient to plan for the summer.</p> <p>3. ENA On Demand courses have been purchase for the Pediatric RN Champions as they are identified and join a regional or state forum.</p> <p> Management of Pediatric Behavioral Health Disorders</p> <p> Introduction To Trauma, Caring for Pediatric Patient</p> <p>4. ENPC Courses: Statewide accessibility to be discussed with Pediatric Hospital Champions</p> <p> PM 06 & 07 Interfacility Transfer and Guidelines</p> <p>a)MIEMSS C4 “Pediatric” – 9 months of experience through May has shown a decrease in call volume for both pediatric and adult critical care consults. The PICU bed status remains full most days. PEMAC members discussed ways to communicate that C4Peds is available to facilitate transfer to Pediatric Acute beds also.</p> <p>b)Follow Up on Transfer Guidelines books with EDs will be done with the Hospital Champions discussed above.</p>	
10:45 AM	<p>Research and Pediatric DART</p> <p>1. DART projects:</p> <ol style="list-style-type: none"> CARE 2021 update reviewed – no update in May. Pediatric Respiratory QI measures shared @ Annual Medical Directors Symposium. Albuterol by BLS goes into effect statewide 7/1/2022 and Pediatric QIC will monitor on a quarterly basis. Time to first Epi in cardiac arrest monitored as part of the Cardiac metric. <p>2. Update on PECARN projects in DC/MD: Data linkage project between CNH and Prince Georges continues. The PediDose research protocol will start baseline data collection as soon as fall.</p>	Jen Anders MD
11:00 AM	<p>Maryland Organizations & Committees</p> <p>Please see written summary of submitted reports.</p> <p> AAP Updates www.mdaap.org – no report</p> <p> ACEP Updates - www.mdacep.org – no report</p> <p> ENA Updates - www.mdena.org- state conference is 5/5/22 (tomorrow); state and national offices are looking at ways to increase instructor pools for both TNCC & ENPC</p> <p> SCHOOL HEALTH Updates: – no report. Revisions of the Guidelines for Emergency Care by lay staff is recognized but a timeframe has not been established by MDH or MSDE.</p> <p> JTIC -https://www.schoolsafetyinfo.org/ - meeting postponed so no update</p> <p> Critical Care Updates– no report</p> <p> Commercial Ambulance Service Advisory Committee – CASAC will meet May 18th, SOCLAR is able to provide grants to companies for the initial implementation of Extraglottic Airways.</p> <p> Jurisdictional Affairs Committee (JAC @ MIEMSS) – no report</p> <p> Pediatric Disaster Medicine & Preparedness -Region 3</p>	Committee

	subcommittee has not met, summer project is to revise the Pediatric Annex plan.	
11:15 AM	Injury Prevention Sub Committee & Updates a. EMSC: CPS & OP Healthcare Project (Maryland DOT cps@miemss.org Project conducted a very successful NICU / Nursery workshop in April and has launched a pilot program for EMS Supervisor vehicles to have car seats for non patient transports. Education and written guidelines are provided. Allegany, Washington and Calvert Counties along with Ocean City are involved in the pilot. b. Bike Helmet Safety Grant bikesafety@miemss.org – Brain Anatomy sign has been produced as a poster based upon requests from Safe Kids coalitions and community partners. c. Safe Kids 2022 Meetings following PEMAC: 👉 September 7, 2022 d. Public Educator Life Safety Seminar Feedback from 4/2/22 is pending. e. Mid-Atlantic Life Safety Conference NEW Date - Sept 20, 2022 (remains a Tuesday at JHApplied Physics Lab). f. Maryland Risk Watch/ MSFA –Full typed report is available on EMSC website g. Partnership for Safer Maryland www.safermaryland.org May 11 2022 (2pm) Webinar on TBI h. American Trauma Society (MD Chapter) – no report	
11:30 AM	Family Centered Care Sub Committee ❖ 2022 EMS & EMSC Awards summary- Five children will receive awards during May and June. All presentations will be local. ❖ Afternoon Forum – agenda on next page	Lisa Wilson EMT
11:45 AM	Old Business – from the committee – none	Committee
11:50 AM	New Business 1. PEMAC began a discussion on the prearrival/ notification systems in different parts of the country for Children with Special Health Care Needs and the potential for local authorization through an optional protocol or procedure. The current systems in place are hospital based with significant staff support. Examples were shared with the plan to have a separate discussions once models are shared. 2. July Meeting – format and location will be in person if at all possible.	Committee
12:00 Noon	Adjournment	Committee
12:30 Noon	PEMAC Family Advisory Network Council May 4, 2022 12:30 pm – 2:30 pm	

Next Meeting July 6, 2022 – location / virtual meeting tba

Afternoon @ 12:30 held for protocol development





Emergency Medical Services for Children

Maryland Institute for Emergency Medical Services Systems



Maryland EMS for Children Department Update: May 2022

What's NEW:

	EMSC Updates <ol style="list-style-type: none">1. 2022 National EMS for Children EMS Survey- Maryland's 27 EMSOP all participated (100%) with more than half the surveys completed by a Pediatric EMS Champion. State results (in aggregate) will come from NEDARC in late May.2. 2021 National Pediatric Readiness Project – ReAssessment was completed in July 2021. State summaries were sent out in April with National summary to follow.3. C4 Pediatrics launched on October 1, 2021 to provide 24/7 consultation and assistance with transferring pediatric patients to both acute and critical care beds.
	Safe Kids Buckle Up (CPS): May 1 launched the 2022 campaign(s) to prevent vehicular heatstroke Bike Safety Project: New brain anatomy posters are on order & additional helmets approved Safe Kids Maryland: Steps to Safety @ MSFA Convention in June & Sept.7, 2022 meeting

Advocacy:

- **Right Care When It Counts & Star of Life:** 2022 Awards nomination have been received and review. Award presentations will throughout May across Maryland.
- **#MDPANDAFAN – (EMSC Family Advisory Network Council):** FAN council has developed an educational project to increase awareness of SUID risks and steps to create a Safe Sleep Environment.
- **Risk Watch Injury Prevention** –EMSC, Safe Kids MD and Risk Watch teams are planning for the 2022 MSFA Convention “Steps to Safety”. **April 2, 2022** (Saturday) Public Fire & Life Safety Educator seminar was held in person at MFRI and broadcast “live” as a Facebook Event by MSFA.
- **CPS Resources and Training:** are available for EMS, ED and Nursery/ NICU. Contact cps@miemss.org. Nursery/ NICU CPS workshops were held on April 26, 2022 @ Elkridge VFD with nurses from across the state.
- **Outdoor Temperature Displays** –The displays are kept at MIEMSS, Cecil County DES, Prince George's County Fire & EMS, and Meritus Medical Center/ Safe Kids Washington County. Email cps@miemss.org for more information and check out the You Tube short training on how to utilize the displays.
- **Bike Safety/ Helmets** grant from MHSO continues to work with Safe Kids Coalitions & Partners providing educational materials and bike helmets (all ages). Email bikesafety@miemss.org for more information.

Pediatric Education EMS and Emergency Department Professionals:

- ✂ **2022 EMS Conferences** dates and platforms are under discussion. EMSC will offer PEPP 4 hybrid courses in Southern Maryland, Western Maryland and Central Maryland this summer & Fall. Winterfest pre-conference was very well received.
- ✂ **2022 Winterfest & Miltenberger conferences** combined resources to create online CME through the MIEMSS Online Training Center that went live for EMS 3/11/2022 and for RN 4/1/2022. <https://www.emsonlinetraining.org/>
- ✂ **ENA CPEN** review courses for 2021 were “On Demand” and “Virtual”. EMSC is planning an in person course in the fall of 2022.
- ✂ **PEPP 4th Edition (2020) Hybrid** instructor / faculty webinar was held in September.

Pediatric EMS Champions: Full 2022 schedule of meetings has been distributed. Champion Workshop will be held in Ocean City May 12 & 13 2022 prior to EMS Care 2022 (In Person!). Email pepp@miemss.org for more information about Champions.

EMSC National Assessments (Surveys): **NPRP (Hospital) Assessment 2021** was open from May – July with 100% of Maryland EDs participating. Maryland EMSC is gathering the names for the Pediatric ED Champions, nurse and physician, and will schedule orientation meeting and educational forums.

For more information please call the Maryland EMS for Children office at 410-706-1758
Website: www.miemss.org look under departments, Click on EMS for Children

To All Maryland EMS Clinicians:

Re: *The Maryland Medical Protocols for Emergency Medical Services* – 2022 additions, updates and revisions

EMS clinicians will be able to download the full protocol document from the MIEMSS website at www.miemss.org and will receive a single copy of the 2022 pocket protocols.

The EMS Board has approved these protocols for implementation on July 1, 2022. Prior to July 1, all EMS clinicians must complete the Maryland EMS Update: 2022, which will highlight the new material. The protocol update will be available for continuing education credit on the MIEMSS Online Training Center (www.emsonlinetraining.org) in mid-May 2022.

With multi-disciplined input, we have updated the protocol content to reflect best practices and evidence-based medicine. The list of these changes is for reference only, and the information contained in the full protocol book is the official medical reference for EMS clinicians in Maryland.

A summary of significant protocol changes:

- **Acetaminophen:** All patients ages 3 months and older may now receive acetaminophen for treatment of fever (EMS-documented temperature of 100.4 or greater) or mild to moderate pain.
- **Cardiac Arrest (Adult):** The Adult PEA/Asystole algorithm has been refined to provide focused guidance on the management of patients in asystole, PEA with a narrow QRS, and PEA with a wide QRS. Calcium chloride and sodium bicarbonate should only be given for PEA with a wide QRS. The medical consultation requirement for sodium bicarbonate administration in adults has been removed.
- **Critically Unstable Patient (Adult):** A critically unstable patient protocol has been added to the General Patient Care section. This protocol emphasizes resuscitation of unstable patients on-scene prior to initiating transport.
- **Direct to Triage:** This protocol defines stable patients who may be suitable for direct transport to triage upon arrival to the receiving emergency department.
- **Droperidol:** This medication replaces haloperidol for treatment of patients who are 13 years of age or older presenting with moderate agitation.
- **Extraglottic Airways:** This addition to the Procedures section allows for the use of extraglottic/supraglottic airways including the King LTS-D, LMA, Air-Q, and iGel. An EMS operational program must select one of these airway devices and carry sizes appropriate for all patients from newborn through adult. These devices serve a critically important role in assisting ventilation and oxygenation to patients with compromised airways.
- **Induced Hypothermia:** Based on recent high-level scientific evidence, induced hypothermia has been removed.
- **Lateral Uterine Displacement:** For pregnant patients with hypotension or cardiac arrest, specific guidance has been added to provide left lateral uterine displacement with a goal of increasing venous return.
- **Tranexamic Acid (TXA):** TXA has been added to the protocols for treatment of traumatic hemorrhagic shock in patients 15 years of age and older.
- **Ventricular Assist Device (VAD):** Specific guidance has been added for the management of unstable patients with VADs.
- **Optional Supplemental Protocol: Hydrofluoric Acid:** Due to increased risk of HF exposure from electric car batteries, this OSP has been added to allow for calcium gluconate via IV, topical and nebulized routes. Interested jurisdictions should submit an OSP application to the State EMS Medical Director.



CPS & OP Healthcare Project EMS for Children Program @ MIEMSS

sogaitisjones@miemss.org
www.miemss.org/home/emsc/cps

PEMAC UPDATE –May 2022 **The CPS & OP Healthcare Project**

- The CPS project to distribute car seats to needy families across the state continues with participation among EDs, the MCH departments of several hospitals, and a few Safe Kids-Maryland partners. Three other hospitals MCH departments have expressed interest and become partners in the near future.
- The CPS workshop for newborn nursery and NICU nurses occurred on April 26th. A total of 44 nurses from 25 hospitals attended the two back-to-back sessions. (51 were expected from 27 hospitals). We also had 6 nurse-CPSTs from 5 hospitals and one person from MD Kids in Safety Seats help run the workshops. The final evaluations are not tallied yet but informal comments suggest the attendees really found the workshops valuable. We also invited attendees and applicants who weren't admitted for the in-person listen to two online lectures; they could receive one contact hour from the Maryland Nursing Association for each webinar and 3 contact hours for attending on 4/26. 85 have listened to the two webinars as of May 2nd.
- Helped at a car seat distribution at Mile One Auto in Catonsville with MD Kids in Safety Seats.
- Finalized a new handout: "Car seats save lives in cars, but what about outside the car?" Laminated versions of this will soon be available or go to www.miemss.org/home/emsc/cps
- Attended Lifesavers National Traffic Safety Conference in Chicago.
- Attended the Maryland Highway Safety Summit, and also conducted an exhibit on CPS.
- Received 4 applicants for the project to get All-in-One car seats for 20 EMS supervisors' vehicles for non-emergency transport of children (Ocean City, Calvert Co, Allegany Co, Washington Co). We will follow up with those applicants in the next week or two, and they should receive their seats by the end of June.
- Helped teach two Child Passenger Safety Technician certification courses (Salisbury and Lexington Park). Other courses are scheduled. Anyone interested in upcoming course can go to www.cert.safekids.org to get automated alerts when new classes are scheduled. Scholarships for the \$95 registration fee are available on a limited basis.
- Posted a number of social media messages on traffic safety themes.

** Car seat check-up event schedules are available online and some in paper version for checks across the state. See MdKISS.org and go to "calendar."

*** In-person car seat assistance is slowly resuming around the state, but virtual assistance options will continue. Contact Maryland Kids in Safety Seats at <https://tinyurl.com/VidAppt20> or cps@miemss.org.

For information, contact Susanne Ogaitis-Jones, MSPH, CHES, CPST/I
cps@miemss.org or sogaitisjones@miemss.org, Phone: 410-706-8647



PEMAC Family Advisory Network Council May 4, 2022 12:30 pm – 2:30 pm

PEMAC Family Advisory Network Council Meeting

Proposed Agenda

Welcome & Introductions

Cyndy Wright Johnson

National EMSC FAN network update

Lisa Wilson/ Mary Ellen Wilson

2022 Right Care Nominees & presentations

Lisa Wilson

2023 Right Care goals & strategies

Committee

1. Dissemination of nomination forms
2. Goal – one per county / EMS jurisdiction
3. Regional Awards & State Awards

2022 FAN Project: Safe Sleep

Lisa Wilson

1. Public Education interactive displays
2. MSFA display and presentation to expand community education resources
3. June 22 -23, 2022: Infant Safe Sleep & Bereavement Conference from the Center for Infant and Child Loss (UMMS) [Virtual two half days]
4. Future educational programming

Children with Special Health Care Needs Discussion

Committee

1. AAP Policy Statement: Ensuring Access to Critical Health Information for Children During Emergencies: Emergency Information Forms and Beyond (PS 140530) (*formerly the EIF Policy*)
2. National programs: Medical Alert
3. Local/ State Programs: St Louis, Delaware, District of Columbia
4. Maryland specialty centers – notification, education, specialized orders










2022 Safe Kids / Risk Watch Steps to Safety Cyndy Wright Johnson/ Lisa Wilson

1. Event: MSFA Convention June 18-21, 2022 in Ocean City
2. Adult content specialist
3. Volunteer recruitment
4. Presentations:
 - a. Bike Safety: Making a Difference in Your Community
 - b. Child Passenger Safety
 - c. Pediatric Out of Hospital Cardiac Arrest
 - d. Safe Sleep Environment: Take the steps to prevent SUID

2022 MSFA Convention:

2022 Steps to Safety interactive safety stations are being updated for the Convention and will again provide adult content mentors at each station. Just in time training will be available for those volunteering at the interactive stations and for those volunteering to be a Mascot or an Escort (Traumaroo, Walker the Panda, Sparky the Fire Dog). Convention Room 213 remains an ideal location and we will work with the Convention Committee in planning. NEW: Exhibits are now Sunday, Monday and Tuesday exhibit days/ hours with Saturday AM to off load and set up.

Risk Area for Stations: Leaders from the injury prevention community continue to provide consistent adult mentors at each display table/ activity. We are actively recruiting volunteers.

-  9-1-1: Make the Right Call (traditionally staffed by EMD)
-  Fire Safety: EDITH, Close Your Door, home safety – staffing from MSFA Fire Prevention Committee
-  Child Passenger Safety- EMSC CPS Grant (MSHO)
-  Bike Safety Grant to EMSC (MHSO)
-  Pedestrian Safety - Tidalhealth Peninsula Regional Trauma Center
-  Medication Safety - Safe Kids Maryland – EMSC clinical team
-  Safe Sleep for Infants (EMSC Family Advisory Network/ Safe Kids)
-  Emergency Ready Families – EMSC / FAN
-  *Heatstroke Prevention – Outdoor Thermometer Display (MSFA & EMSC CPS) if there is a location to accommodate*

The Maryland RISK WATCH team has four goals during the in person Convention.

1. To provide young children and school age children hands on education experiences to be safer in their homes & communities through both psychomotor skills and new knowledge about high-risk injuries.
2. To provide young life safety advocates (tweens, teens and young adults) with a mentored experience and specific lesson plans to work with younger children and their families.
3. To empower parents and care providers with knowledge on both the risks and the prevention strategies to keep everyone safer in their home and community (infants through seniors).
4. To demonstrate interactive safety displays based upon evidence based and best practices for life safety advocates across Maryland's EMS, Fire & Rescue services.