






	Pediatric Emergency Medical Advisory Committee July 6, 2022 @ 9:30 AM to 12:00 PM 653 West Pratt Street - Room 212 Baltimore, MD 21201	
Type of meeting:	Pediatric Emergency Medical Advisory Committee Business meeting 9:30 AM -12:00 PM Special Protocol update and writing meeting 12:30 PM – 2:00 PM	
Member & Liaison Attendees	Daniel Ochsenschlager MD; Jennifer Anders MD; Yonnia Waggoner, RN; Jill Dannenfelser RN; Emily Dorosz RN; Jennifer Denault RN; Andrew Robertson NRP; Scott Legore NRP; Cynthia Wright-Johnson RN; Sue Catterton; Danielle Joy RN; Susanne Ogaitis-Jones MSPH CPST; Karen O'Connell MD; Meg Stein, NRP	
Guests:		
RSVP regrets:	Stephanie Sisler, MD; Richard Lichenstein, MD; Kathleen Brown, MD; Laurel Moody RN	
	Approved Agenda & Minutes	
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. May 2022 Minutes reviewed with no revisions. Motion to approve by Jill Dannenfelser and second by Jen Anders with unanimous approval by the committee. 2. 2022 Meeting Schedule & Afternoon Forums has been distributed. September and November are planned in person. 3. 2023 Meeting schedule DRAFTED Dates emailed out, please contact the EMSC office with any national conflicts. We will reserve rooms for the first Wednesdays of Odd months. 4. Membership: Welcome to Yonnia Waggoner as the new liaison to Maryland ENA as of July 2022. Yonnia is a member of the Mid-Maryland ENA Chapter and works in Southern Maryland. Prior to moving to Maryland, she was involved with Colorado EMSC and has been a nurse in both the ED and flight programs for many years.	Rich Lichenstein MD Cyndy Wright Johnson RN
9:45 AM	PEMAC July 2022 Consent Agenda - approved unanimously. 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 & Conference dates listed at the end of the agenda with website links & contact emails	EMSC Department Staff Team
10:00 AM	Maryland Protocols for EMS Providers: the afternoon forum today will focus on the 2023 protocol updates and revisions 1. July 1 2022 Protocol update Roll Out – MIEMSS Online Training Center @ https://www.emsonlinetraining.org/ Spiral copies of the new protocols were provided to those in attendance. 2. Updates from Protocol Review Committee a) MIEMSS is reviewing the new National Trauma Triage Algorithm with input from TraumaNET and others. PEMAC	Jen Anders MD

	<p>discussed concerns that the four levels of triage criteria are condensed into two within the NHTSA new guideline. Additional concerns raised specific to the potential for over triage of children based upon MOI criteria without inclusion of physiologic considerations. The term “highest level” of trauma center may also lead to unnecessary travel distances for families. PEMAC members were asked to read the full reference article and bring recommendation to the August PEMAC protocol subcommittee meeting. Members also recommended that both EMS and community EDs utilize consultation with Pediatric Trauma Center base stations prior to long distance transports. At this time, MIEMSS is reviewing the new algorithm from NHTSA and not making any decisions.</p> <ul style="list-style-type: none"> b) Wilderness “push medications” – ongoing discussions within the PRC. No action needed at this time. c) IO procedure Lidocaine dosing recommendations from PEMAC incorporated as administrative update into the protocols. <p>3. Protocol update on Pediatric Respiratory Rate (AHA/PALS) : AHA Recommendation: A respiratory rate of 20 to 30 breaths per minute is new for infants and children who are receiving rescue breathing and have a pulse OR are receiving CPR with an advanced airway in place. PEMAC members reviewed the General Patient Care (GPC) section of the protocol, additional protocols on respiratory distress and arrest, CPR/ HPCPR algorithms, and the procedure sections related to ventilation. Recommendation is to revise these sections to include two age categories:</p> <ul style="list-style-type: none"> ➤ Adult (those over 13 year of age) – deliver 1 breath every 6 seconds (rate 12 breaths per minute) ➤ Pediatric (neonates until 13th birthday) – deliver 1 breath every 3 second (rate 20 breaths per minute) <p>Please refer to the chart of specific pages attached that has been sent to PRC. Editorial review may find additional pages to be updated with these recommendations. Note that the newly born (less than 24 hours) procedures have not been changed.</p>	
12:30 PM	<p><i>This discussion occurred in the afternoon forum but is documented here to keep protocol minutes together (cjwt).</i> Maryland Protocols for EMS Providers – 2023</p> <p>Dr. Jennifer Anders presented an overview of the references to Pediatric Cardiac Arrest in the current protocols and procedures, a review of the HPCPR implementation from 2019- 2021, and the state level data on pediatric CPR from eMEDS and CARES reports. The purpose of the discussion is to create protocols and educational training programs that will move Maryland EMS towards increase survival of Pediatric Out of Hospital Cardiac Arrest (POOHCA) with these objectives:</p> <ul style="list-style-type: none"> 1. Widespread adoption of the Pit Crew HPCPR procedure with BLS and ALS focused on critical interventions that have increased survival during in hospital cardiac arrests. 2. Early HPCR with uninterrupted compressions and longer on scene times (when the scene is safe). 	Jen Anders MD

	<p>ongoing and will be available through the On Line Training.</p> <ol style="list-style-type: none"> 3. Junior QCPR & ALS Airway manikins – the ‘ALS heads’ are still on back order from Norway. The new QCPR ALS infant is a single unit manikin (not able to upgrade current manikins in the region) and EMSC will order one to evaluate. Carryover funding will be requested to increase access to these moderate fidelity – just in time feedback manikins. 4. 2022 PEPP Hybrid: <ul style="list-style-type: none">  Southern MD July 10th 2022 (Sunday@ Lexington Park) is a small class with both BLS & ALS  Central MD October 2022 offered with Champion forum  Western MD has requested a 2023 course with Miltenberger 5. Moulage course – to be rescheduled (again) in 2022 <p> PM 04 National Pediatric Readiness Assessment</p> <ol style="list-style-type: none"> 1. NPRP 2021 Assessment: Maryland Trauma Center Bootcamp presentation included statewide data and TC data. Trauma managers are interested in the individual hospital responses and will be connected to the ED designee who completed the survey. Bootcamp feedback on the site visit & application review led by Dr. Elizabeth Wooster was very positive. 2. CPEN Course will be scheduled in 2023 and in person. 3. ENA On Demand courses have been purchased for the hospital RN Champions: <ul style="list-style-type: none">  Management of Pediatric Behavioral Health Disorders  Introduction To Trauma, Caring for Pediatric Patient 4. Pediatric Hospital Champions network to be developed and role description drafted for feedback as the Champions are identified. 5. AAP & ACEP joint meeting to jumpstart Pediatric interest group that will hopefully include members from both Maryland AAP COPEM and Maryland ACEP Pediatric committee. It is anticipated there will be overlap with the goal of identifying more Pediatric ED physician champions. 6. Follow Up on Transfer Guidelines books with EDs is ongoing as the Pediatric ED RN champions are identified. <p> PM 06 & 07 Interfacility Transfer and Guidelines</p> <ol style="list-style-type: none"> a) MIEMSS C4 “Pediatric” experienced significant increase in volume during May and June. The information on hospital capabilities at the local level is ongoing and will be used to enhance the education for EDs in pediatric readiness. The new Pandemic network is interested in learning more about this unique model in Maryland. b) CAPP Quarterly Meeting was held in June and provided additional recommendations for the role of the consultant and how to assist referring hospitals in communication with receiving hospitals. 	Jen Anders MD
11:00 AM	<p>Research and Pediatric DART</p> <ol style="list-style-type: none"> 1. DART projects: <ol style="list-style-type: none"> a. CARES 2021 Annual report published https://mycares.net/ b. Albuterol by BLS to be monitored with all EMSOP required to have this training completed by 7/1/22. c. Time to first Epi in cardiac arrest monitoring is ongoing 	Jen Anders MD

	<p>and will be discussed in aggregate during the afternoon protocol development forum.</p> <p>d. Non transports data fields to be identified for monitoring</p> <p>2. Update on PECARN projects in DC/MD: PediDose research protocol in Prince George's County is prepared for implementation as part of the larger research project. The first phase is baseline data collection. Research protocol implementation, at the earliest, will be in 2023. Updates will be requested by PEMAC and the EMS Board per research protocol approval.</p>	
11:15 AM	<p>Maryland Organizations & Committees: very few reports were presented at the July meeting. Update are noted below:</p> <ul style="list-style-type: none"> 📁 AAP Updates www.mdaap.org 📁 ACEP Updates - www.mdacep.org 📁 ENA Updates - www.mdena.org State conference in May was well attended and national meeting is the end of September. 📁 SCHOOL HEALTH Updates: none 📁 JTIC -https://www.schoolsafetyinfo.org/ will meet in Sept. 📁 Critical Care Updates 📁 Commercial Ambulance Service Advisory Committee: annual vehicle and base inspection surveys are ongoing throughout the year. 📁 Jurisdictional Affairs Committee (JAC @ MIEMSS) 📁 Pediatric Disaster Medicine & Preparedness 	Committee
11:30 AM	<p>Injury Prevention Sub Committee & Updates</p> <p>a. EMSC: CPS & OP Healthcare Project (Maryland DOT cps@miemss.org: Grant funded pilot project to provide car seats to EMS supervisor vehicles for non-patient children who need safe transport has been implemented in Allegany, Washington and Ocean City with Calvert scheduled in July. September 12 2022 MIEMSS will host a webinar on the new Maryland CPS law updates. And sadly as of this date, there have been 9 vehicular hyperthermia deaths nationwide. MIEMSS CPS Project coordinates the use of 6 Outdoor Temperature Displays.</p> <p>b. Bike Helmet Safety Grant bikesafety@miemss.org is funded for a sixth year and will focus on Social Media messaging and working with county partners to distribute helmets.</p> <p>c. Safe Kids 2022 Meetings following PEMAC: 📁 September 7, 2022 meeting @ MIEMSS</p> <p>d. Public Educator Life Safety Seminar Feedback from 4/2/22</p> <p>e. Mid-Atlantic Life Safety Conference is on 9/20/2022 (NEW Date) with online registration coming soon.</p> <p>f. Maryland Risk Watch/ MSFA –Full typed report is available</p> <p>g. Partnership for Safer Maryland www.safermaryland.org Held two day webinar forum on June 28 & 29, 2022</p> <p>h. American Trauma Society (MD Chapter)</p>	

11:40 AM	Family Centered Care Sub Committee <ul style="list-style-type: none"> ❖ “Steps to Safety” summary from MSFA Convention – while the number of families and children participating in 2022 decreased, those attending were very engaged and welcomed printed resources. The overall attendance at Convention paralleled our experience reflecting CoVID concerns that remain, young children only becoming eligible for vaccination during the convention week, cost of Ocean City hotels, and schools being open in the convention week. The smaller volume of families allowed for more instructional time with young volunteers, discussion with EMS/Fire membership on educational display creation and resources, and inclusion of EMS Champions in the workshops offered. ❖ EMSC workshops at 2022 Convention were: CPS technology and injury patterns, Bike helmets and brain function, Safe Sleep and SUID patterns, and Pediatric Cardiac Arrest care bundles. ❖ Safe Sleep display distribution has been completed in 15 Safe Kids coalitions and community partners. Five additional sets of signs are available. ❖ Awards for 2022 were again presented at the local level to children and youth with positive feedback from families and EMSOP. PEMAC brainstormed additional distribution ideas to increase the number of nominations in 2023. These included: <ul style="list-style-type: none"> 📎 Monthly Facebook reminders (same day/ date) 📎 QR Code to put on posters and post cards that go directly to the Smartsheet nomination form 📎 Competition among Pediatric EMS Champions to nominate at least one child/ youth per EMSOP 📎 Pediatric Regional Medical Directors will be asked to support local presentations with increasing (hopefully) nominations. 	Lisa Wilson EMT
11:50 AM	Old Business – none at this time	Committee
11:55 AM	New Business – Thank you to the presentations at the MSFA Convention, Joint Winterfest & Miltenberger Virtual Conference and the upcoming Champion Forums.	Committee
12:00 Noon	Networking Lunch	Committee
12:30 PM	Maryland Protocols for EMS Providers – 2023 recommendations for revisions were discussed and included in the Protocol Agenda item above.	Jen Anders MD

Next Meeting September 7, 2022 – in person @ MIEMSS

Safe Kids Maryland state coalition meeting @ 12:30- 2:30 PM

All are welcome in person with GTM option



Emergency Medical Services for Children

Maryland Institute for Emergency Medical Services Systems



Maryland EMS for Children Department Update: July 2022

What's NEW:

	EMSC Updates: <ol style="list-style-type: none"> EIIC EDI Webinar: Becoming an Upstander: Action Tools to Create a Safe, Empowering Environment" Monday, July 11, from 4:30-5:30 pm ET. Register @https://uhhospitals.zoom.us/webinar/register/WN_edlsrFEKTJGyojLBPN4irA 2023 National EMS for Children EMS Survey is anticipated to launch early in January 2023, same survey questions, Pediatric EMS Champions are target to respond. C4 Pediatrics launched on October 1, 2021 to provide 24/7 consultation and assistance with transferring pediatric patients to both acute inpatient beds and critical care beds.
	Safe Kids Buckle Up (CPS): Planning for September CPS Week & New CPS Law in Maryland Bike Safety Project: Grant funded for Year 6 with helmet distribution & social media 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 were presented in May & June across Maryland. Nominations are being accepted for 2023 awards – online: <http://www.miemss.org/home/documents>
- **#MDPANDAFAN – (EMSC Family Advisory Network Council):** FAN council has distributed the 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 participated in the 2022 MSFA Convention “Steps to Safety”. Inventory of teaching tools is underway to plan for new resources for communities in 2022-2023.
- **CPS Resources and Training:** are available for EMS, ED and Nursery/ NICU. Contact cps@miemss.org. CPS Webinars are planned for early fall – watch for flyers & details soon.
- **Outdoor Temperature Displays –**The displays are kept in 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:

- ✂ **2023 EMS Conferences** dates and topics are under discussion. EMSC will offer PEPP 4 hybrid courses in Southern Maryland, Western Maryland and Central Maryland this summer & fall.
- ✂ **2022 Winterfest & Miltenberger conferences** combined resources to create online CME through the MIEMSS Online Training Center that remain available for both EMS & RN credits until December 30, 2022. <https://www.emsonlinetraining.org/>
- ✂ **ENA CPEN** review courses for 2022 & 2023 will be in person base upon feedback.

Pediatric EMS Champions: Full 2022 schedule of meetings has been distributed. Champion Workshop in Ocean City May 12 & 13 2022 focused on skills & scenario building. 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



PEMAC Education Subcommittee Update July 2022



1. BLS Subcommittee:

Ongoing discussion about challenges with student portfolios for the EMT Program. Discussion of extension of provisional certifications and provisional applications.

2. ALS Subcommittee:

Meeting held May 18th. Update shared on the protocol orientation efficacy project and its status with IRB approval. State ALS content remains in development and should be completed shortly. Discussion regarding legislation about police restraint of agitated patients and its conflict with current Maryland Medical Protocol.

3. Continuing Education Updates:

a) APLS Courses

- Course no longer being offered.

b) PEPP Courses

- PEPP 4th Edition instructor toolkit available as a digital download
- 2022 PEPP 4th Edition Course Offerings:
 1. Winterfest 2022 – Held in February at Oxford VFD with 9 attendees.
 2. Miltenberger 2022 – TBD at a later date
 3. Southern Maryland – Summer 2022 – 18 students registered.
 4. Central Maryland – October 2022 in conjunction with Pediatric EMS Champion Forum

c) Pediatric TOR training:

- Webinar posted for the Pediatric EMS Champions on Pediatric Cardiac Science & Pediatric TOR
- Shorter presentation on Pediatric TOR posted in Sharefile for Champions with case studies

d) Additional Course Offerings

4. Video/Web Training

Completed Webinars available on MIEMSS LMS

- a) Neonatal Resuscitation – Webra Price-Douglas, PhD, CRNP – Available on LMS
- b) Pediatric Tracheostomy Care – Available on LMS
- c) Pediatric Burn Injuries – Available on LMS
- d) Pediatric Stroke by Ryan Felling, MD, PhD - Available on LMS
- e) Pediatric High Performance CPR – Available on LMS
- f) Your Next Patient Has Autism – Are you Prepared? – Available on LMS

Webinars in process/planning

- a) OB & Newborn Emergencies – Current workshop to be modified for LMS
 - OB Emergencies LMS to be presented by Jen Fahey, CNM, MPH
- b) Pediatric Vascular Access – current workshop has 4 lectures, planning to convert core Hydration Assessment lecture by Jessica Strohm-Farber DNP, CPNP-AC

Please see EMS & Prevention Educational Conferences 2022 handout
For more information please call the Maryland EMS for Children Department at 410-706-1758
Email for Pediatric Education is pepp@miemss.org



CPS & OP Healthcare Project EMS for Children Program @ MIEMSS

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

PEMAC UPDATE –July 6, 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. Holy Cross Germantown's MCH is the newest partner. Several of the busier hospitals have given out a steady supply of car seats (e.g., UM Capital Region, AAMC, Sinai, Shady Grove).
- Conducted a CPS exhibit at ENA By The Bay on May 5th.
- Gave a presentation on CPS at the EMS Care 2022 conference and held an interactive exhibit during the conference.
- Helped at a car seat check at Mt Washington Pediatric Center on 6/3. This was in conjunction with Mile One Auto (who supplied free car seats for needy families) and MD Kids in Safety Seats. Helped at a check in Annapolis.
- Conducted 3 trainings for the new pilot project to get All-in-One car seats for EMS supervisors' vehicles for non-emergency transport of children (Ocean City, Allegany Co, Washington Co). Scheduled the training for Calvert County Emergency Services for August 12 at 10:30 am. Developed laminated guides and two training videos on the use of the Graco Slim Fit car seat.
- Gave a workshop on new technology in CPS at the Maryland State Firemen's Association Convention. Coordinated an interactive display for families on CPS at the convention.
- Helped teach a Child Passenger Safety Technician certification course in Middletown. Other courses are scheduled. Anyone interested in upcoming courses can go to www.cert.safekids.org to get automated alerts on new classes. Scholarships for the \$95 registration fee are available on a limited basis.
- Posted a number of social media messages on traffic safety themes and supported Click-It-Or-Ticket week with social media.
- Scheduled a new webinar for September 12th at 1pm featuring Dr. Emma Sartin talking about CPS legislation and its effects on MVC injury and deaths as well as a panel discussing Maryland's revised CPS law, effective October 1, 2022. MHSO/MVA is holding a press event about this new change in the CPS law on July 26th at Martin State Airport.
- The temperature display to educate on never leaving your child alone in a car/pediatric vehicular heatstroke is available from MIEMSS to borrow for your agency or community events.

** Car seat check-up events and virtual assistance are available through Maryland Kids in Safety Seats at <https://tinyurl.com/VidAppt20> or www.mdkiss.org.

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



Pediatric Emergency Medical Advisory Committee (PEMAC)

Proposed 2023 Meeting Schedule

State PEMAC meetings are held at the MIEMSS Central Office. If you would like to participate through web base meeting, a recurring GoToMeeting link has been created. In person attendance is required at 50% (3) meetings annually to meet the EMSC State Partnership Grant metrics.

Wednesday January 4, 2023

9:30 – 12:00 Noon PEMAC Business Meeting

12:30 – 3:00 PM Forum for Pediatric Champions: EMS and Hospital

Wednesday March 1, 2023

9:30 – 12:00 Noon PEMAC Business Meeting

12:30 – 3:00 PM Safe Kids Maryland Meeting

Wednesday May 3, 2023

9:30 – 12:00 Noon PEMAC Business Meeting

12:30 – 3:00 PM Family Advisory Network Meeting

Wednesday July 5, 2023

Alternative is Afternoon of July 12, 2023

PEMAC Business Meeting

Afternoon Forum focused on Protocol Writing

Wednesday September 6, 2023

9:30 – 12:00 Noon PEMAC Business Meeting

12:30 – 3:00 PM Safe Kids Maryland Meeting

Wednesday November 1, 2023

9:30 – 12:00 Noon PEMAC Business Meeting

12:30 – 3:00 PM 16th Annual EMS for Children Research Forum

Note: PEMAC subcommittees will select meetings schedules as workloads & projects are identified. Updates on meetings are posted on the website & on PEMAC agendas – www.miemss.org , click on EMSC, click on PEMAC