





Pediatric Emergency Medical Advisory Committee

July 5, 2023 @ 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 9:30 AM -12:00 PM Protocol Development meeting in the Afternoon	
Member & Liaison Attendees	Anand Budi, MD; Daniel Ochenschlager MD; Jennifer Anders MD; Emily Dorosz RN; Laurel Moody RN; Scott Legore NRP; Cynthia Wright-Johnson RN; Danielle Joy RN; Susanne Ogaitis-Jones MSPH CPST; Elizabeth Berg RN; Yonnia Waggoner RN; Richard Lichenstein MD; Jill Dannenfesler RN; Mary Ellen Wilson RN; Jennifer Denault RN	
Guests:	Meg Stein NRP; Chris Hyzer	
RSVP regrets:	Karen O'Connell MD; Richard High EMT; Lisa Wilson EMT; Sue Catterton	
Agenda with Approved Minutes on September 6 2023		
9:30 AM	Welcome & Introductions 1. Member Roll Call and brief introduction of visitors & guest 2. List of Documents, Liaison & Committee Reports	Cynthia Wright Johnson RN
9:35 AM	PEMAC Business: 1. May 2023 Minute reviewed. Motion to accept by Rich Lichenstein, seconded by Jill Dannenfesler, approved unanimously. 2. 2023 Meeting Schedule has been posted and e-appointments sent to all members  September – Safe Kids in the afternoon  November – Research in the afternoon 3. Membership: Education EMS Training Center representative remains open.	Rich Lichenstein MD Cyndy Wright Johnson RN
9:45 AM	PEMAC July 2023 Consent Agenda: 1. EMSC & Safe Kids Update – handout 2. EMSC Education Update - handout 3. 2023 - 2024 Educational Conference List – handout 4. CPS Grant Update – handout 5. Injury Prevention updates & links listed within the agenda	EMSC Department Staff Team
10: 00 AM	Family Centered Care Sub Committee 1. Right Care Awards for 2023 have been presented in May, June and July to nine children and youth. 2. Expand the FAN committee to be representative of the citizens of Maryland during the 2023-2024 grant year 1. 3. 2023 Steps to Safety – programs for tweens & teens was very well received at the MSFA Convention. As many adults came through to learn how to create displays as families. The iPad survey of participants captured approximately 50% participants entering and only 1 evaluation afterwards. Take home message – Signage onsite is the major method people find out about the project. The Babysitting orientation was not well attended though the first aid kits were popular. Plan is to offer a 4 hour workshop in 2024. 4. FAN Strategic Plan: goals, objectives, tasks is being developed and due to HRSA EMSC October 2023.	Lisa Wilson EMT Mary Ellen Wilson RN

10:15 AM	<p>Maryland EMSC Performance measure updates <i>NOTE: HRSA is changing all the EMSC PM numbers and revising the criteria. We anticipate the new manual any day. It was the basis for the current 4 year grant goals.</i></p> <p>PM 02 –Pediatric EMS Champions</p> <ol style="list-style-type: none"> 1. EMSC – 2023 EMS Survey had 100% response from EMSOP .Aggregate data will be shared with EMS Champions on July 19th and JAC in August. 2. Preplanning for the 2024 national Prehospital Pediatric Readiness Assessment (NPPRA) that will launch in May 2024. 3. Pediatric EMS Champion update <ul style="list-style-type: none"> • Two Deep is the goal (exceeds HRSA/EMSC PM) • New champions are using the Orientation & Handoff checklist <p>PM 03 – Pediatric Equipment Use & Education Projects</p> <ol style="list-style-type: none"> 1. BLS Committee update: meeting to review testing scenarios 2. ALS Committee update: reviewing the protocol rollout and test 3. EMSC Pediatric manikin training kit for Lower Shore – Delivered during EMS Week award presentations 4. HPCPR resources to be updated to 7/1/2023 protocol – workgroup is meeting July 17 2023 @ MIEMSS 5. Pediatric Reference card and posters work group is meeting July 19, 2023 @ MIEMSS 6. 2024 Hot Topics for conferences – please email pepp@miemss.org with topics and speakers <p>PM 04 National Pediatric Readiness Assessment</p> <ol style="list-style-type: none"> 1. Mary Ellen Wilson has joined the MIEMSS EMSC team as the EMSC Hospital Specialist for the state partnership grant. She will focus on recruiting ED Pediatric Nurse Champions and coordinating the forums for hospitals. 2. CPEN Review Course is funded for 2023 / 2024. Location to be determined, format will be in person. 3. Pediatric Readiness Hospital Champions – RN & MD update <ul style="list-style-type: none"> • June 27, 2023 Nursing webinar focused on the role of Champions and planning education. • 2023 Quarterly Forums – dates & speakers being finalized • Very Positive feedback on the Pediatric Preconference at ENA by the Bay in May 2023 @ US Naval Stadium • Rural Supplement grant – Pediatric simulations will continue through the grant year (Fall 2023 – March 2024) 4. AAP & ACEP joint meeting of committees is planned for fall 2023 <p>PM 06 & 07 Interfacility Transfer and Guidelines</p> <ol style="list-style-type: none"> a) MIEMSS C4 “Pediatric” has been funded for the FY2024 (July 2023 – June 2024). b)Base station site visits are ongoing c)Transfer Guidelines in EDs are present during inspections <p>• NPRP Reassessment in 2026</p>	<p>Danielle Joy RN NRP</p> <p>Danielle Joy RN NRP</p> <p>Mary Ellen Wilson RN</p> <p>Jen Anders RN</p> <p>Cyndy Wright Johnson RN</p>
10:45 AM	<p>Maryland Organizations & Committees</p> <ul style="list-style-type: none"> • AAP Updates www.mdaap.org – annual conference is September 9, 2023 @ BWI Marriott with adolescent focus this year. 	Committee

	<ul style="list-style-type: none"> • ACEP Updates - www.mdacep.org - no report • ENA Updates - www.mdena.org <ul style="list-style-type: none"> • Metro Baltimore Chapter conference - Oct 20, 2023 • Mid Maryland Chapter conference – November 10, 2023 • ENPC classes are scheduled for fall in both areas • SCHOOL HEALTH Updates: the SHIP Conference was grant funded and is no longer planned. Maryland School Nurse Association conference will continue to be annual. • Maryland Center for School Safety: met in June, the center has a new website with three different sections. Summer conference will be July 19 & 20, 2023 with a preconference on 7/18/23 tabletop exercise. https://schoolsafety.maryland.gov/ • Critical Care Updates- Liz provided a list of national and regional conferences and webinars. • Commercial Ambulance Service Advisory Committee: SCT subcommittee continues to meet to discuss protocols and proposed changes in regulation. • Jurisdictional Affairs Committee (JAC @ MIEMSS) – Danielle reviewed the Pediatric Champions roles and plans for 2023. • Pediatric Disaster Medicine & Preparedness <ul style="list-style-type: none"> • Maryland AAP committee is promoting a webinar series on disaster preparedness • TEEEX is teaching the Pediatric Disaster Course in Virginia and Pennsylvania this fall <p>Please see written summary of submitted reports</p>	
11:00 AM	<p>Research and Pediatric DART</p> <ol style="list-style-type: none"> 1. Update / report out on PediDose research protocol in Prince George’s county – no update at this time 2. DART QI projects ongoing <ul style="list-style-type: none"> ➤ June QIC: eMEDS documentation for pain assessment and medication administration varies widely. There are educational opportunities to work with the QI and Champion contacts. 	<p>Jen Anders MD Kathy Brown MD</p> <p>Jen Anders MD</p>
11:15 AM	<p>Injury Prevention Sub Committee & Updates</p> <ul style="list-style-type: none"> ➤ EMSC: CPS & OP Healthcare Project (Maryland DOT cps@miemss.org) ➤ Bike Helmet Safety Grant bikesafety@miemss.org ➤ Safe Kids 2023 Meetings following PEMAC: <ul style="list-style-type: none"> ○ September 6, 2023 ➤ Public Fire & Life Safety Educator Seminar – March 23, 2024 @ MFRI Hot Wash ➤ Mid-Atlantic Life Safety Conference – September 19, 2023 ➤ Maryland Risk Watch/ MSFA – Full typed report is available ➤ Partnership for Safer Maryland www.safermaryland.org ➤ American Trauma Society (MD Chapter)- EMS Grants are supporting EMS Stop the Bleed training 	
11:30 AM	<p>Safe Transport for Children in Ambulances Update</p> <ol style="list-style-type: none"> 1. NASEMSO Committee funding from NHTSA to develop draft standards for pediatric restraint systems for ambulances: child supine, child seated and infant incubator. 2. Standard development process involved reaching common 	<p>Cyndy Wright Johnson RN</p>

	<p>definitions and then writing the mechanical engineering standards to be tested. The manufacturers of both stretchers (litters) and various commercial devices are part of the work groups. The drafts will then go to the Society of Automotive Engineers for consideration.</p> <ol style="list-style-type: none"> Updates for training resources to come after standards are drafted, edited, tested and finalized. Two year process is estimated. Feedback from Maryland Regional Survey 2023 identifies that most EMSOP are using devices other than car seats and some have Captain chairs with integrated seats. 	
11:45 AM	Old Business- none at this meeting	Committee
11:55 AM	New Business – none at this meeting	Committee
12:00 Noon	Networking Break	Committee
12:30 PM	PEMAC Protocol Writing Session for 2024	Committee
12:30 PM	<p>Maryland Protocols for EMS Providers –2024 Afternoon Forum will include: A. Updates from Protocol Review Committee</p> <ol style="list-style-type: none"> PEMAC discussed the use of droperidol in pediatric patients: dosages for agitation are appropriate, contraindicated in children under 13 years of age, not appropriate for treatment of nausea and vomiting in children under 18 years of age. Optional Supplement Protocol proposing norepinephrine drip for septic patients has been referred to the pediatric critical care teams. Specific parameters would be needed for neonates, infants, children. <p>B. PEMAC proposals to move to Protocol Review Committee</p> <ol style="list-style-type: none"> PEMAC has recommend merging or moving Allergic Reaction and Anaphylaxis to combination of pages and more clearly identify the difference between Moderate and Severe. The draft has gone to copy editing. ROSC – epi drip dosing recommendations were discussed and referred to the August PEMAC protocol subcommittee. Burn – recommendation for Palmar method for Burn Estimation and removal of the Rule of Nines. Unanimously approved by PEMAC. Stroke – recommend the removal of reference to Oxygen in BLS Needle Decompression – no change to location, second needle for equipment list. LVAD – recommendation is to include all ages and add the contacts for 3 pediatric cardiac centers utilizing VADs with children. Consider language “Contact the Base Station at the receiving facility for medical direction”. Seizure Medication dosing – Kathy Brown to partner with Local EMS Medical Director C Spine algorithm – recommend waiting for new PECARN 	Jen Anders MD
Update	July 17, 2023: Workgroup will meet to update Pediatric HPCPR Skills and Scenario	Danielle Joy RN Karen O’Connell MD

Next Meeting September 6, 2023 – in person and GTM

9:30 – 12:00 Noon PEMAC Business Meeting

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

In-person attendance is required at 50% (3) meetings annually to meet the EMSC State Partnership Grant metrics.



Emergency Medical Services for Children

Maryland Institute for Emergency Medical Services Systems



What's NEW: Maryland EMS for Children Department Update: July 2023

Advocacy:

- **Right Care When It Counts & Star of Life:** Nominations were presented in each region during EMS Week and the spring/ summer. Nominations for 2024 awards (actions taken in 2023) will open in July, after the 50th Anniversary of MIEMSS recognition.
- **#MDPANDAFAN – (EMSC Family Advisory Network Council):** FAN council participated in the 2023 MSFA Convention in Ocean City with as many adults coming through the interactive displays to learn how to create them as families with children.
- **CPS Resources and Training:** are available for EMS, ED and Nursery/ NICU. Contact cps@miemss.org. CPS Webinars are posted on MIEMSS website & YouTube accounts. Special Needs CPS training in July.

Pediatric Education EMS and Emergency Department Professionals:

- ✂ Online Training Center: NEW Neonatal Resuscitation module that is interactive is posted. <https://www.emsonlinetraining.org/>
- ✂ Pediatric EMS interactive scenarios “Sim on the Go” are available through Pediatric EMS Champions & they are writing a new set on Trauma mechanisms of injury.
- ✂ PEPP Hybrid Course will be offered at MIEMSS on October 19, 2023. Registration will open mid July.
- ✂ **2024 EMS Conferences** dates have been finalized with topics & faculty planning ongoing.
 - 📅 **Winterfest 2024** February 2, 3 & 4, 2024 in Easton. Pediatric preconference in planning stage.
 - 📅 **Miltenberger 2024** dates are tentatively March 7-9, 2024 @ Rocky Gap. Planning starts mid July.
 - 📅 **EMS Care 2024** location and dates are under discussion.
 - 📅 **Pediatric EMS Champions 2023:** July 19th virtual meeting will focus on Prehospital recognition processes and pediatric reference tool updates. October 18th in person training will be at MIEMSS HQ.
- ✂ **2023 Pediatric Readiness ED Nursing forums:**
 - June 27th Champion Webinar:** focused on needs assessment and priorities for education
 - CPEN Review Course:** in person 2 day course is funded for this grant period. Location to be determined.
 - ENA by the Bay:** May 4, 2023 (Pediatric Preconference) & May 5, 2023 @ Naval Stadium with great reviews.

	<p>National EMSC Updates:</p> <ol style="list-style-type: none"> 1. EMS Assessment on Pediatric Readiness- will launch in May 2024. More information to follow. 2. EIIC Updates: All Grantee Meeting will be in September with EMSC joining the Pediatric Pandemic Network. 3. EMS Education for Pediatric Emergency Physicians: Module series available online that includes 1 hour “Lightening Speed”, 4 hour Brief Review, 8 hour In-Depth, 2-4 week Comprehensive Education. Targets for each are described @ https://emscimprovement.center/education-and-resources/training-modules/ems-education-pediatric-emergency-physician-course-overview/
	<p>Maryland EMSC Updates:</p> <ol style="list-style-type: none"> 1. EMSC State Partnership Grant 2023-2027: will focus on Pediatric Readiness criteria and resources for hospitals and EMS, pediatric specific disasters planning, and family engagement that is representative of Maryland's diversity. 2. EMSC Education and Hospital Specialists will host quarterly webinars / forums on Pediatric Readiness. 3. FAN: Emergency Ready Families display is available for loan & slide presentation is available through the EMS Champions. Baby Sitting Safety display and awareness was featured at MSFA. 4. C4 Pediatrics continues to be a 24/7 consultation resource for both pediatric critical care and pediatric inpatient care. Funded through June 2024.
	<p>CPS Healthcare Project: EMS supervisor car seat pilot is in second year with 6 EMSOP and resources for more to join (MHSO grant funded). New Webinars on special needs child passenger safety are being held in June and July.</p> <p>Bike Safety Project: MHSO grant bike safety and helmet distribution was refunded to MIEMSS for FY24 with the goal to increase local community grant applications.</p> <p>Safe Kids Maryland & EMSC FAN Project: Safe Sleep displays are now in 26 (soon to be 28) EMSOP and 20 Safe Kids & ENA locations.</p>



PEMAC Education Subcommittee Update July 2023



1. BLS Subcommittee:

No update.

2. ALS Subcommittee:

Meeting held May 17th. The committee will be revisiting the effectiveness of the protocol orientation process. Discussion of the ALS Psychomotor Exams sign-up rollout process as well as an overview on the ALS refresher correlation matrix.

3. Continuing Education Updates:

a) PEPP Courses

- 2023 PEPP 4th Edition Course Offerings:
 1. Miltenberger 2023 – Held with 10 participants
 2. Central Maryland – October 19th 2023 (Thursday)

b) Pediatric ***Sim on the Go*** – Pediatric Simulations were offered as a pediatric pre-conference with Winterfest EMS 2023 Conference with rave reviews. Final educational products rolled out during April Pediatric EMS Champion Forum. Content included: ALTE/BRUE, Pediatric Stroke, Pediatric Resuscitation, Neonatal Resuscitation, Pediatric Sepsis. Trauma/Burn scenarios written during April forum to be released during July forum for Pediatric EMS Champion use. Content includes: Blunt trauma, Blunt trauma – MVC, Penetrating trauma, Thermal injury, Drowning.

c) Pediatric TOR training:

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

d) Additional Course Offering suggestions welcome

4. Video/Web Training

Completed Webinars available on MIEMSS LMS

- a) NEW: Neonatal Resuscitation in the Prehospital Setting – Now Available on MIEMSS Online Learning Center
- b) Pediatric Tracheostomy Care – Available on MIEMSS Online Learning Center
- c) Pediatric Burn Injuries – Available on MIEMSS Online Learning Center
- d) Pediatric Stroke – Available on MIEMSS Online Learning Center
- e) Pediatric High Performance CPR – Available on LMS – **to be updated with new 2023 protocol changes**
- f) Your Next Patient Has Autism – Are you Prepared? – Available on LMS
- g) Pediatric Vehicular Heatstroke – Available on MIEMSS Online Learning Center
- h) Understanding the Why of Seatbelts and Child Restraints – Available on MIEMSS Online Learning Center
- i) Best Practices in Spinal Protection and Safe Transport for Children – Available on MIEMSS Online Learning Center

Webinars in process/planning

- a) OB Emergencies LMS content to be discussed in Fall 2023 with faculty
- b) Pediatric Vascular Access – current workshop has 4 lectures and hands on. Format to be discussed with EMS and Hospital Champions in the Fall/Winter

Please see EMS & Prevention Educational Conferences 2023 handout

For more information please call the Maryland EMS for Children Department at 410-706-1758

Email for Pediatric Education is pepp@miemss.org



Emergency Medical Services for Children (EMSC)

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2023 EMS, EMSC & Life Safety Educational Conference List

Winterfest 2023: February 3-5, 2023 @ Easton High School

Pediatric Pre-Conference – Skills & Scenarios 2/3/2023

Brochure and Registration Information Pending

PCAR: Pediatric Care After Resuscitation (Trauma Nursing Course)

February 15 & 16, 2023 @ Doubletree by Hilton, Annapolis Maryland

Online Registration: www.tcarprograms.org

Mid-Atlantic Transport Conference 2024: March 6th & 7th @ MITAGS

<https://www.eventbrite.com/e/2023-mid-atlantic-transport-conference-registration-477345492217>

Miltenberger EMS & Trauma Conference: March 10-12, 2023 @ Rocky Gap

CPEN Review Course for Nurses- March 8 & 9, 2023 (email pepp@miemss.org for information)

Pediatric Pre-Conference – PEPP-4 Hybrid Course – March 10, 2023

Brochure and Registration Information Pending

Public Fire & Life Safety Educator Seminar: March 25, 2023

MFRI Headquarters in College Park

Brochure and Registration Information available @ www.mfri.org under Seminar Tab

Maryland ACEP Educational Conference & Annual Meeting

March 30, 2023 @ Univ. of Maryland, Baltimore Campus

Brochure and Registration: <https://www.mdacep.org/2023conf/>



EMS Care 2023: April 26-30, 2023 @ Ocean City, MD

Brochure and Registration:

<https://web.cvent.com/event/aff0dd7e-eccf-43dc-8a23-36e1baaab00f/summary>

ENA by the Bay 2023: May 4 & 5, 2023

May 4th – Pediatric Preconference

Navy Stadium “N” Room, Annapolis Maryland



Brochure and Registration Information through Eventbrite:

<https://www.eventbrite.com/e/ena-by-the-bay-2023-tickets-524522188987>



Meritus Trauma Conference: May 23, 2023

Robinwood Center, Hagerstown Maryland

Maryland State Fire Convention: June 18, 19, 20 2023

Ocean City Convention Center

<https://convention.msfa.org/calendar/category/education/list/>



MidAtlantic Life Safety Conference: September 19, 2023 (Tuesday)

Johns Hopkins APL, Laurel Maryland

<https://www.fabscom.org/about-5-6>



This star indicates a new conference posting. More conferences & seminars will be added as dates are finalized

Please email educational event dates to the EMSC office at pepp@miemss.org.

To reach the Maryland EMSC office, please call 410-706-1758

Email: Education to pepp@miemss.org and CPS & OP information to cps@miemss.org



CPS & OP Healthcare Project EMS for Children Program @ MIEMSS

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

PEMAC UPDATE –July 5, 2023 **The CPS & OP Healthcare Project**

- Progress continues to get All-in-One car seats for EMS supervisors' vehicles for non-emergency transport of children with a training for Dorchester County EMS being scheduled. Hope to meet with/train staff from BWI Airport and Baltimore County this summer as well.
- Held a webinar: "Transporting Children with Disabilities: conventional car seats." 33 people attended. Most attendees were CPSTs and received CEUs for recertification. Evaluations were very positive. The webinar is archived on MIEMSS online learning and available for CEUs for CPSTs. Another webinar on transporting children with disabilities is coming soon: July 6th at noon. Register: <https://attendee.gotowebinar.com/register/5972193550195964508>
- Conducted an interactive exhibit at the MD State Firemen's Convention in the Safe Kids room, June 18-20.
- Exhibited on CPS for the National Association of Pediatric Nurse Practitioners on May 4th, and the Emergency Nursing Association-Maryland Chapter conference on May 5th.
- Helped teach at 3 Child Passenger Safety Technician certification courses: Montgomery County on May 16; Caroline County on May 22, 24, 30 & 31; and Washington County on June 14-15th.
- Met with 10 maternal-child-health nursing staff at ChristianaCare Union Hospital on May 17 to update them on car seats for newborns and to distribute materials.
- Attended the Occupant Protection EAT meeting on May 18th.
- Lent a special needs restraint to Kennedy Krieger Inst and a vest restraint to Johns Hopkins CC.
- Helped at 2 seat checks: Long Green VFD on 5/23 and Johns Hopkins Children's Center on 6/22.
- 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 Safe Kids-Maryland partners. New partners are welcome.
- Consulted on two cases regarding safe transport of special needs children and provided some car seats to the caregivers.

The dates for regional car seat checks in Maryland are scheduled for 2023. Contact this project (cps@miemss.org) or Maryland Kids in Safety Seats at 800-370-7328 or email: mdh.kiss@maryland.gov. These events are free.

The 2023 schedule of child passenger safety technician certification courses is available and OPEN FOR REGISTRATION. Go to www.cert.safekids.org. This grant can pay for a limited number of course registration fees for healthcare clinicians who apply and are approved.

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

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