



Pediatric Emergency Medical Advisory Committee

January 5, 2022 @ 9:30 AM to 12:00 PM




**PEMAC will be held through Go To Meeting with Conference Call
(computer audio or phone)**

Type of meeting:	Pediatric Emergency Medical Advisory Committee VIRTUAL Business meeting 9:30 AM -12:00 PM	
Member & Liaison Attendees	Cyndy Wright-Johnson RN; Danielle Joy RN; Jennifer Denault RN; Laurel Mood RN; Richard Lichenstein MD; Lisa Wilson EMT; Kathleen Brown MD; Rick High EMT; Scott Legore NRP; Andy Robertson NRP; Jennifer Anders MD; Jill Dannenfelser RN; Stephanie Sisler MD; Daniel Ochenschlager MD; Amy Wu MD; Elizabeth Berg RN; Jennifer Andrews NRP, Tim Chizmar MD, Sue Catterton;	
Guests:	Manish Shah MD	
RSVP regrets:	Emily Dorosz RN; Karen O’Connell MD, Mary Ellen Wilson RN	
Agenda & Approved Minutes – March 2022		
9:30 AM	Welcome & Introductions <ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 1. November 2021 Minutes were reviewed. Motion to approve by Laurel Moody and seconded by Jennifer Denault with unanimous support. 2. 2022 Meeting Schedule & Afternoon Forums has been distributed in paper and e-copies. 3. Membership: ENA representative will be new this spring following Linda Arapian who retired in the fall. 	Rich Lichenstein MD Cyndy Wright Johnson RN
9:45 AM	Maryland Protocols for EMS Providers – 2022 <ol style="list-style-type: none"> 1. Updates from Protocol Review Committee <ol style="list-style-type: none"> a. Sedation medication moving to Droperidol b. Standing protocol for Extraglottic Airway finalized with four choices for EMSOP to select. A full set of all sizes is required of at least one device. Many EMSOP currently have the King and will expand the sizes for pediatrics. Others are considering the iGel. <div style="margin-left: 40px;"> Extraglottic Airway (Approx costs for full set of all sizes): King LTS-D 7 sizes@ \$50ea = \$350 iGel 7 sizes@ \$22.50ea = \$158 AirQ 6 sizes @\$50 ea = \$300 LMA (supreme) 5 sizes @\$30ea = \$150 </div> c. Ventricular Assist Device informative pages will be included in the 2022 Maryland EMS Protocols. d. Direct to Triage – Optional Supplemental protocol was approved by the PRC and EMS Board for early implementation. It and is posted @ http://www.miemss.org/home/ems-providers/protocols 2. PediDOSE research protocol was presented by Dr. Kathy Brown serving as the Site PI working with Prince George’s 	Jen Anders MD Kathy Brown MD Manish Shah MD

	<p>County Fire & EMS as the EMS site and Dr. Manish Shah who is the Study PI from Texas Children’s Hospital.</p> <p>The Pediatric Dose Optimization for Seizures in Emergency Medical Services (PediDOSE) study is an emergency medicine study designed to evaluate if a standardized method for paramedics to administer seizure medication leads to timely delivery of the right dose. The purpose of this study is to simplify how paramedics give medication to seizing children to stop the seizure and to decrease the number of children still seizing when they arrive at the emergency department. By replacing complicated dose calculations with age-based standardized dosing, the research aim is to increase the number of children who receive the right amount of seizure-stopping treatment before arriving at the hospital. For those patients who arrive at one of the study sites, a rapid response EEG will be obtained (ceribell.com). Through a stepwise research design at 20 sites, implementation will start in the fall of 2022. Community consultation in each location will include discussion of exception from informed consent that has been applied for through the IRB at the University of Utah (PECARN data center). PEMAC discussed the study design, medication dosing, and the other hospital locations to be notified of the study as they may receive some patients enrolled in the study.</p> <p>Motion to support this PediDOSE research protocol was made by Jennifer Anders MD and seconded by Dan Ochsenschlager MD with unanimous support from all voting members of PEMAC.</p> <p>3. VAIP (Volunteer Ambulance Inspection Program) for public safety 2022. The document is undergoing scheduled revisions to meet the Maryland EMS protocols. The committee request for input on two items:</p> <p>a) Pediatric Reference Guide reference and footnotes was removed in recent versions. The vehicle inspectors would like a description of what should be included in the “reference”. PEMAC discussed the current online APP from Children’s National, the laminated MD EMSC reference card, and other commercially available tools. Recommendation is to incorporate the materials on reference card into the APP under developed by Towson University and MIEMSS. Medication references are incorporated within the protocol formulary for BLS & ALS. A statement within the VAIP that the reference must be dated and follow current protocols and AHA recommendations.</p> <p>b) Pharyngeal tube airway device: PEMAC recommends that a full set of sizes for airway devices be required in the VAIP with the EMSOP selecting the device from an approved list.</p>	<p>Cyndy Wright Johnson RN</p>
<p>10:15 AM</p>	<p>PEMAC January 2022 Consent Agenda: Consent agenda adopted by PEMAC membership unanimously.</p> <ol style="list-style-type: none"> 1. EMSC January 2022 Update – handout 2. EMSC Education Update January 2022 - handout 3. 2022 Educational Conference List – handout 4. CPS Grant Update January 2022 – handout 5. Bike Safety Grant Update Winter 2022 – handout 6. Injury Prevention updates listed at the end of the agenda with website links & contact emails 	<p>Cyndy Wright Johnson RN</p>

<p>10:20 AM</p>	<p>Maryland EMSC Performance measure updates</p> <p>📁 PM 02 –Pediatric EMS Champions</p> <ol style="list-style-type: none"> 1. Feedback from Pediatric EMS Champion on 10/29/2021 was positive with an emphasis on the ability to work with different types of manikins for different training needs, diversity of airway devices, and chance to share strengths and barriers to implementing pediatric training. 2. Jurisdictional Affairs Committee report from EMSC focused on the EMSC National EMS Assessment that launched on January 5, 2022. 3. 2022 Champion forum schedule was shared with PEMAC and has been sent to all JAC members and all Pediatric EMS Champions. 4. POSTPONED again: Moulage course due to increasing CoVID rates. <p>📁 PM 03 – Pediatric Equipment Use & Education Projects</p> <ol style="list-style-type: none"> 1. BLS Committee discussed the success of the provisional certifications, testing prior to completing all required preceptor calls, and the reality that this emergency order is ending soon. 2. ALS Committee continues to work on the content for the 2022 State NRP renewal. Feedback specific to the OnLine ALS protocol overview and testing has been very positive. This replaces the former paper protocol exam required prior to initial licensure for CRTI and NRP. 3. 2022 PEPP Hybrid will be offered at: Winterfest on February 18th, later in the year with Miltenberger, and scheduled in the summer and fall in locations in Southern Maryland, Central Maryland. <p>📁 PM 04 National Pediatric Readiness Assessment</p> <ol style="list-style-type: none"> 1. NPRP 2021 Assessment: results are pending from NEDARC. Each hospital received a detailed GAP analysis at the time of completing the Assessment. 2. CPEN Courses – experience in 2021 with a virtual “live” course was mixed. Those participating rated the content and faculty very high but also cited the eye and brain fatigue with 16 hours of online training in 2 days. When queried, the same group of nurses did not want 4 – 4 hour days. We will be working with MD ENA to plan for 2022, with the hope an in person course. 3. ENPC Courses: Statewide accessibility to be discussed with Pediatric Hospital Champions <p>📁 PM 06 & 07 Interfacility Transfer and Guidelines</p> <ol style="list-style-type: none"> 1. NPRP 2021 responses will be looked at specifically on questions about interfacility transfer guidelines and agreements with follow up planned at regional councils. 2. MIEMSS C4 “Pediatric” – Jennifer Anders MD shared the experience from the first 3 months of operations. Pediatric consultation call volume is much lower than for Adult calls which may be a result of established referral patterns for PICU patients. The ED to Peds Unit transfers have not increased with most going to pediatric specialty centers. PEMAC discussed potential communication strategies to have EDs call C4Peds to identify pediatric acute beds in other hospitals 	<p>Danielle Joy RN</p> <p>Danielle Joy RN</p> <p>Cyndy Wright Johnson RN</p> <p>Cyndy Wright Johnson RN</p> <p>Jen Anders MD</p>
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	<p>before transferring new patients to the four hospitals with PICU Beds, leaving the pediatric acute beds there available for patients ready to leave PICU. Quarterly C4Peds staff calls will continue in 2022 to gather input and share experiences. These are QI closed discussions.</p>	
10:45 AM	<p>Research and Pediatric DART – discussion provide short updates only yielding time spent on Protocols.</p> <ol style="list-style-type: none"> 1. Research Forum feedback on Webinar and presentations was very positive. The request is to keep the virtual availability and to share the slide presentations. 2. DART projects: <ol style="list-style-type: none"> a. Pediatric CARES three year review has not moved forward over the holidays. b. Pediatric HP CPR – simulation of the “hiccup” method analysis is underway and will be presented at NAEMSP next week. c. P-PASS (Asthma) Score project continues. d. Weight – Medication: manuscript submitted and poster @ NAEMSP (CNH – Caleb Ward) e. NonTransport focus groups have been held and analysis in underway. (CNH – Caleb Ward) f. Sepsis Alert outcomes – separate conference call of involved hospitals will be set up. 3. Update on PECARN projects in DC/MD – primary focus is the PediDOSE project discussed under protocol agenda item. 	Jen Anders MD
11:00 AM	<p>Maryland Organizations & Committees</p> <ul style="list-style-type: none"> 📁 AAP Updates www.mdaap.org 📁 ACEP Updates - www.mdacep.org 📁 ENA Updates - www.mdena.org State ENA by the Bay will be held in Baltimore City on May 5, 2022. Details to follow 📁 SCHOOL HEALTH Updates 📁 JTIC -https://www.schoolsafetyinfo.org/ 📁 Critical Care Educational Updates: <ul style="list-style-type: none"> • National Teaching Institute for AACN, May 16-18, 2022 in Texas • Critical Care Transport Medicine Conference, April 11-13, 2022 in Alabama Chesapeake Bay AACN Chapter <ul style="list-style-type: none"> • <u>Unlocking the CBC: A Novel Marker for Early Recognition of Severity of Infection Webinar/Online</u> Wednesday, January 12, 2022 at 2:00pm ET • <u>The Mid-Atlantic Transport Conference presents- Virtual MATC Rapid Fire Webinar/Online</u> Wednesday, January 12, 2022 at 5:00pm ET Topics: LVAD management, Pediatric Trauma Pearls, Type A Dissection management, Anticoagulation reversal • <u>Sepsis and Opioid Use Disorder: The Intersection of Two Public Health Crises</u>Webinar/Online Thursday, January 27, 2022 at 3:00pm ET 📁 Commercial Ambulance Service Advisory Committee: none specific to pediatrics 📁 Jurisdictional Affairs Committee (JAC @ MIEMSS): received an update on EMS Assessment discussed above 	Committee

	<p> Pediatric Disaster Medicine & Preparedness: Region 3 subcommittee is meeting quarterly. The HCC coordinator, Shane Anderson, has moved to a new job in Va.</p>	
11:15 AM	<p>Family Centered Care Sub Committee</p> <ul style="list-style-type: none"> ❖ 2022 EMS & EMSC Awards: nominations are open with a Friday March 25, 2022 deadline. Forms are in Smart sheet with descriptions and links on the MIEMSS website under Documents. EMS news and FB accounts will also carry them. ❖ Family Advisory Network Council: Safe Sleep Awareness educational displays were piloted at Winfield VFD in the fall and MSFA at the December meeting. The EMSC SP Grant carry over funding will support 15 displays for Safe Kids Risk Watch and 3 for ENA local chapters. A presentation on the risks and prevention was submitted to MSFA for convention. ❖ EMSC Family Network meeting & EMSC Pulse November 2021 featured Mary Ellen Wilson's role as the FAN member for Maryland. https://emscimprovement.center/news/family-advisory-network-feature-mary-ellen-wilson-rn/ ❖ Children in disaster drills – workgroup needed to revisit recommendations as drills may start again. This was not discussed at today's meeting due to time. 	<p>Lisa Wilson EMT</p> <p>Mary Ellen Wilson RN</p>
11:30 AM	<p>Injury Prevention Sub Committee & Updates</p> <ol style="list-style-type: none"> a. EMSC: CPS & OP Healthcare Project (Maryland DOT cps@miemss.org) Susanne Ogaitis Jones provided a summary of the upcoming activities including an April NICU / Nursery CPS workshop. In person CPS technician courses are scheduled and occurring throughout the year. b. Bike Helmet Safety Grant bikesafety@miemss.org c. Safe Kids 2022 Meetings following PEMAC: <ul style="list-style-type: none">  March 2, 2022  September 7, 2022 d. Public Educator Life Safety Seminar April 2, 2022 e. Mid-Atlantic Life Safety Conference Sept 27, 2022 f. Maryland Risk Watch/ MSFA –Full typed report is available on EMSC website g. Partnership for Safer Maryland www.safermaryland.org h. American Trauma Society (MD Chapter) 	
11:45 AM	Old Business – none discussed	Committee
11:50 AM	New Business – none discussed	Committee
12:00 Noon	Adjournment	Committee
12:30 Noon	Pediatric Champion Forum	Committee

**Next Meeting March 2, 2022 – Anticipate Virtual Meeting
Afternoon @12:30 Safe Kids Maryland**





Emergency Medical Services for Children

Maryland Institute for Emergency Medical Services Systems



Maryland EMS for Children Department Update: January 2022 revised

What's NEW:

	<p>EMSC Innovation and Improvement Center & NEDARC Updates</p> <ol style="list-style-type: none"> 2022 National EMS for Children EMS Survey is scheduled to launch on January 5, 2022. Maryland EMSC will hold "Office Hours" to provide clarification and support to the JEMSOP and look forward to the Pediatric EMS Champions completing the survey. 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. EMSC EIIC : PEAK on Suicide. The EIIC has launched a new series of Pediatric Education and Advocacy Kits (PEAK). The first one was on Status Epilepticus and the most recent focuses on child and youth Suicide. These online kits include relevant articles, educational modules that include didactic, interactive and simulation, as well as model protocols and action plans. <p>https://emscimprovement.center/education-and-resources/peak/</p>
	<p>Safe Kids</p> <p>Buckle Up (CPS): CPS Technician courses are schedule for 2022; both in person and virtual car seat checks continue.</p> <p>Bike Safety Project: New displays have been distributed and spring helmet orders will start.</p> <p>Safe Kids Maryland Meetings will be March 2, 2022 & Sept.7, 2022 following PEMAC.</p>

Advocacy:

- **Right Care When It Counts & Star of Life:** 2022 Awards nomination form is online www.miemss.org on the Documents tab. Online SmartSheet format is "LIVE" and easy to use. **DUE DATE: Friday, March 25, 2022.**
- **#MDPANDAFAN – (EMSC Family Advisory Network Council):** FAN council is developing 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) is the date for the Public Fire & Life Safety Educator seminar that is currently scheduled to be in person at MFRI.
- **CPS Resources and Training:** are available for EMS, ED and Nursery/ NICU. Contact cps@miemss.org.
- **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). A new outdoor safety display has been receive for in person or drive through helmet education and distribution. 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 preconferences at Winterfest and Miltenberger conferences. NOTE: dates may change due to the current State of Emergency, please contact each conference coordinating office. As of 1/14/2022 both conferences will have virtual online lectures for the main conference programs available through MIEMSS Online Training Center.
- ✂ **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 and will be posted in early 2022.

Pediatric EMS Champions: January 5, 2022 Forum will include a CE presentation on Pediatric Non Transports and a tutorial on how to compete the 2022 EMS Assessment. Full 2022 schedule of meetings has been distributed. Moulage course that was scheduled for January 21, 2022 has been postponed again due to safety concerns and staffing needs for EMS & ED. 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. Aggregate results are still pending from the National EMS Data Center.

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



CPS & OP Healthcare Project EMS for Children Program @ MIEMSS

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

PEMAC UPDATE --Jan 5, 2022 The CPS & OP Healthcare Project

- The CPS project to distribute car seats to needy families in hospitals continues:
 - 12 emergency departments are currently partners. UM Baltimore-Washington Medical Center and Christiana Care Union Hospital are the latest participants.
 - 5 newborn nurseries or NICUs are participants. In this quarter the new participants are Christiana Care Union Hospital and Shady Grove Adventist Hospital. Additionally, Holy Cross Germantown, UM BWMC, Medstar Harbor Hospital, and Medstar Franklin Square are considering participation. In the last several weeks UM Capital Regional Medical Center and Shady Grove Adventist have needed a number of car seats for recent immigrants as well as others.
 - Five other agencies are participating; two fire/EMS agencies (Talbot County Dept of Emergency Services as well as a new partner, Prince Georges Fire & Rescue) plus Safe Kids-Howard County, JHCC/Peds Trauma's Injury Prevention Program, and the Rubin Institute at Sinai Hospital.
- Helped at one car seat distribution with MD Kids in Safety Seats.
- Helped teach a Child Passenger Safety Technician course at the Clarksville Fire Department with 10 people attending. **Anyone interested in upcoming courses 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.**
- Conducted an exhibit at the Maryland Assoc of School Health Nurses conference and an on-line exhibit (with live interactive sessions) for the Maryland Occupational Therapists conference.
- Posted a number of social media messages on traffic safety themes.
- Distributed nearly all the stand up banners on occupant protection to Maryland (or DC) trauma centers along with other materials on a thumb drive. These will help them with staff or community education.
- 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.
- **January-early February is time for writing the proposal to re-fund this project. If you have suggestions for it contact Susanne below.**

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