

## **Pediatric Care Educational Forum Goes Virtual**

“I learned a lot during the 2.5 hours in regards to pediatrics, COVID, and mental wellness. It was a great mixture of topics to keep us as participants focus and engaged. I’m excited to share this knowledge with my co-workers. I hope to have more opportunities to participate in similar forums in the future through EMSA.”

Melinda Waters, Paramedic  
Cloverdale Healthcare District Ambulance and Bells Ambulance

### **Public Health Problem (Issue)**

The medical services children require is vastly different than the medical services for an adult. The COVID-19 pandemic has brought new concerns and restrictions that must be followed when dealing with emergency medical services for pediatric patients. EMS for Children (EMSC) is a speciality care program with a goal of ensuring that acutely ill and injured children have access to high quality, coordinated, and comprehensive emergency and critical care services appropriate for the special needs of all children. Due to COVID-19 restrictions, in-person conferences and training were not an option, yet field EMS and hospital emergency department personnel still require training on how to properly and effectively treat pediatric medical patients for all medical emergencies.

### **Taking Action (Intervention)**

With the support of the Preventive Health and Health Services Block Grant, the 23rd Annual EMS for Children Educational Forum was held virtually via Zoom on Thursday, November 5, 2020. The original Zoom account was limited to 300 registrants; however, we were able to increase to 500 due to a large waitlist. 475 people registered for this event, a record-breaking event for the department.

### **Impact**

Over 350 participants attended the virtual EMS for Children Educational Forum. The presentations were valuable to pre-hospital personnel as well as emergency department personnel in ensuring pediatric patients receive the best medical care possible. Participants were focused and engaged. Topics were well received and they included: COVID in Kids, pediatric resuscitation, and resilience toolkit. Two continuing education credits were provided to all EMTs, Paramedics, and RNs that attended and provided their license number.

### **Footnotes**

N/A

## Success Story Author Contact:

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## Healthy People Objective

Rapid Prehospital Emergency Care (EMS)

## PHHS Block Grant Funding

100% - Total source of funding

The image shows a laptop screen displaying a presentation slide. The slide is titled "Dose in Peds 0.1 mL/kg – Max at 1 mL every 1-5 min". It includes a diagram showing the mixing of 9 mL of Normal Saline and 1 mL of 0.1 mg Epinephrine to create 10 mL of 10 mcg/mL Epinephrine (1:100,000). Below this, there is a section titled "Intravenous Push-Pressors" with instructions on how to mix and administer the solution. To the right of the diagram, there is a list of steps for post-resuscitation care, including initiating care, establishing airway, raising the head of the stretcher, and continuing ventilation. A small video inset shows a person named Jeff Morgan. The laptop keyboard is visible at the bottom of the frame.

Recording

9 mL of Normal Saline + 1 mL (0.1 mg) of Epinephrine = 10 mL of 10 mcg/mL Epinephrine 1:100,000

### Dose in Peds 0.1 mL/kg – Max at 1 mL every 1-5 min

#### RETURN OF SPONTANEOUS CIRCULATION

15. Initiate post-resuscitation care on scene to stabilize the patient prior to transport
16. Establish advanced airway  $\text{prn}$
17. Raise head of stretcher to 30 degrees if blood pressure allows, otherwise maintain supine
18. Continue ventilation at 10-20 breaths per minute
19. For SBP < 70mmHg:  
Normal Saline 20mL/kg IVIO rapid infusion per *MCG 1309*  
Repeat x1 for persistent poor perfusion

If no response after Normal Saline 20mL/kg, or worsening hypotension and/or bradycardia:  
Push-dose Epinephrine – mix 9mL Normal Saline with 1mL Epinephrine (0.1mg/mL) IV formulation in a 10mL syringe; administer Push-dose Epinephrine (0.01mg/mL) per *MCG 1309* every 1-5 minutes as needed to maintain SBP > 70mmHg

<https://www.tomwademd.net/dr-mellick-vid-pulse-dose-epi-intubating-the-unstable-pt-his-blog-post-on-anaphylaxis-watch-and-read/>

Jeff Morgan