



From Open Pediatrics: New Mechanical Ventilator Simulator

#48 | April 16, 2020

The simulator interface is divided into three stages:

- STAGE 1 Knowledge Guide:** Learn the basic information necessary to successfully operate a mechanical ventilator through interactive activities. The screen shows a control panel with a large blue arrow pointing down and a 'Start' button.
- STAGE 2 Ventilator Tactics:** Apply your knowledge to a series of short clinical problems that you may encounter when using a mechanical ventilator and receive individualized feedback on your actions. The screen shows a patient in a bed, a 'Ventilator Settings' panel with various dials and buttons, and a 'Start Simulation' button.
- STAGE 3 Case Studies:** Apply your knowledge to a series of realistic case examples where you initiate mechanical ventilation, manage and troubleshoot problems, and assess extubation readiness. The screen shows a 'Your Patient Chart' with fields for Patient Name, Age, Sex, Weight, Height, and a 'Start Simulation' button.

IN THIS ISSUE

- [EVENTS & SAVE THE DATES](#)
- [The National Pediatric Readiness Assessment Postponed](#)
- [COVID-19 New Resources](#)
- [Child Abuse Prevention Month](#)
- [From Our Partners](#)
- [FANMAIL: COVID-19 Infographic](#)

IN EVERY ISSUE

- ✓ SAVE THE DATES
- ✓ WELCOME TO EMSC
- ✓ EMSC PUBLICATIONS
- ✓ SHARING GOOD RESOURCES

We are excited to announce an updated version of the Mechanical Ventilator Simulator! This release incorporates the most recent evidence-based guidelines in pediatric and adult ventilation, as well as COVID-19 information and COVID-19 patient cases. You can access and share the training [here](#).

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 🌐 <http://EMSCImprovement.Center>
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ASPR Pandemic Contagion Private Sector Tabletop Exercise Materials

HHS ASPR developed a COVID-19 tabletop exercise for the private sector, including owners/operators, company legal counsel, communication teams, Human Resources, and other key company leadership. [This document](#) includes links to all the materials needed to carry out this exercise. Exercise materials include: Private Sector Exercise in a Box Instructions, Player Handbook, Facilitator Guide, PowerPoint Presentation, Draft Summary Report Template, and Participant Feedback Form.

Please visit the [ASPR TRACIE Novel Coronavirus Resource page](#) to view additional COVID-19 Healthcare Planning Resources and select COVID-19 Technical Assistance Responses.

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Save the Dates! Bookmark and visit the EIIC [Events page](#) for a list of upcoming events and activities pertinent to the EMSC community.

EMSC Town Halls Occur Quarterly: Block your calendar now!

Please save the 3-4pm ET hour on the second Wednesday of the month of each quarter.

Next call May 14, 2020.

Please check with all these organizations before making any travel plans. Given the current situation with COVID-19, it is likely many of the meetings will be postponed, cancelled or delivered alternatively.

- **NEDARC webinar:** NEDARC hosted a TechTalk in March about *LastPass: Password Manager for Website Logins*, presented by Eddie Zamora. You can access the TechTalk [here](#). The next TechTalk will be on **April 23rd, 2020** at 12pm MST.
- **2020 Preparedness Summit** theme is "*Fixing Our Fault Lines: Addressing Systemic Vulnerabilities*". Has been postponed Please visit the [website](#) for additional information.
- **National EMS Advisory Council (NEMSAC)** 2020 meetings are August 18-20, 2020 in Washington DC, with audioconferencing available. See [NEMSAC webpage](#) for more information. *Registration required for attendance.*
- **National Rural Health EMS and Care Conference** Has been cancelled. For additional information, please visit the [website](#).
- **NASEMSO Annual Meeting** – Planned this year for Aug 30-Sept 3, 2020 in Reno, NV. [Abstracts](#) are being accepted and due July 30, 2020. See the Schedule at a Glance [here](#).
- **AAP Annual Meeting-** While the AAP is sensitive to the current situation, we also look forward to the future and a time when the current constraints will no longer be required. We anticipate that the 2020 National Conference will take place as scheduled, Oct 2-6, 2020. **Registration and hotel reservations for members will open June 1 at 10:00AM CDT and non-members on June 5 at 10:00AM CDT. The Conference Schedule will be available beginning June 1.** You can find updates on their [website](#).

Resources Available

Be sure to watch for items of interest to the EMSC Community including national projects, webinars, and opportunities to support EMS for Children on the [EIIIC Facebook page](#) and [Twitter](#). We use these channels to announce items on short notice.

NEDARC created an explanation video for EMS for Children Program Managers to understand how the Contact List Management System (CLMS), EMS for Children survey websites, and the NEDARC Tableau dashboards all work together. The video is located on the NEDARC website [here](#).

The National Pediatric Readiness Assessment Postponed

The National Pediatric Readiness (NPRP) Assessment, scheduled to launch in June 2020, has been postponed due to the rapidly evolving situation with COVID-19. We appreciate the tireless efforts of the EMS and EMSC community to prioritize their state response to these changing health needs. We will provide more detail on the timing of the NPRP Assessment as details emerge. Visit www.pedsready.org to stay up on assessment details. We wish continued health and safety to all.

COVID-19 -- new resources for helping families and healthcare staff

The impact of the Coronavirus / COVID-19 pandemic goes beyond the threat of infection and physical disease. This evolving situation also has a psychological and emotional impact. The Center for Pediatric Traumatic Stress has updated their online toolbox to provide resources to help families and care providers navigate our current reality.

All children and families face disruption and changes to normal life. Families with a child who has an existing health condition may have particular stressors and worries.

Frontline healthcare staff are experiencing stressful, and often distressing, challenges in their work and professional roles – while they deal with disruptions in their personal life as well.

Our aim is to provide useful tools for healthcare staff and for families that can:

- aid in understanding the stress and potential traumatic stress related to the pandemic, and
- promote coping and resilience.



What you'll find:

Resources for children and families - Learn how to help your child cope, downloadable tipsheets, and additional resources.

Resources for healthcare staff - Learn how stress of the pandemic impacts healthcare staff, how to build coping and resilience skills, and signs of secondary traumatic stress.

April is Child Abuse Prevention Month

April is designated as Child Abuse Prevention Month. The Children's Bureau offers a wealth of resources for healthcare professionals, child care providers, families and educators on how to recognize signs of abuse and what you can do in such situations. The Children's Bureau also offers resources for care providers of children with health challenges on early interventions which lead to improved long term outcomes. Please visit [The Child Welfare Information Gateway](#) for additional information. We also encourage you to revisit the [Child Abuse Screening webinar](#) hosted by EIIC in April 2019 and presented by Dr. Kathleen Adelgais and Dr. Daniel Lindberg.

From Our Partners:

AAPNews
OnCall



COVID-19 Special Edition

The AAP offers a COVID-19 [web page on AAP.org](#) where you can find the latest clinical guidance, information on PPE, practice management resources, including telehealth and coding, as well as details on AAP advocacy efforts. This page is updated daily and is the best place to locate AAP resources.

Changing the Message: Children ARE Impacted in the Covid-19 Pandemic

While the number of confirmed cases among children testing positive for this disease is low at this time, children are significantly impacted in many ways by the current situation. Whether it is the change in their daily schedule, their inability to play and socialize with peers, new family routines, receiving online education, lack of access to health care, or anxiety about the impact that the virus or the economy is having on the family as a whole, children have many needs to be recognized and addressed in this pandemic. The American Academy of Pediatrics has guidance for [clinicians](#) and [parents/caregivers](#) on these important topics. Quick 20-minute [webinars](#) offer important updates and perspectives to help those who care for children to recognize critical areas of interest.



Emergency Nurses Association(ENA) has a dedicated webpage for up-to-date COVID-19 resources. You can access these resources [here](#). The ENA encourages everyone, including healthcare providers, to refer to and follow the Centers for Disease Control and Prevention (CDC) regarding any activity related to COVID-19.



EMS Week is May 17-23! EMS and professionals for the vital role they play every year, every weekday of EMS Week. The multifaceted nature of EMS. The EIC will focus, identifying their importance, and more. Find it [here](#).

Tell us what you think about FANMail!

This section was meant to provide helpful tips and discussion about topics important to families and their advocates – and hopefully some fun stuff along the way too! To continue to provide the best content and information for our FANs we would like to get YOUR feedback. Take a few minutes to complete this, [quick survey](#) and let us know what you think!

Coronavirus (COVID-19) Youth and Children with Special Healthcare Needs



BE INFORMED



Explore likely threats – evaluate your child’s susceptibility due to immune compromise or underlying chronic health conditions.



What medications, support and supplies will you need to shelter in place for a minimum of two weeks? Talk to your primary care provider for guidance on what you should do if you need to seek care outside of your home.



Evaluate the capacity to respond considering the strain on the health system you use. What supports will it take for you to alter typical care?



Talk to your supplier and in-home attendant providers about their response plans and alterations to typical schedules.

MAKE A PLAN

Assess your child’s specific needs – medical supplies, prescriptions, OTC drugs, equipment, food and supplements, water- different types for hydration, mixing medications and formulas, procedures, and equipment (bi-PAP, O2 concentrators), and adequate caretakers for sheltering in place for a minimum of two weeks.



Use personal protective hygiene habits (think NICU or PICU protocols) and limit persons coming and going in your home.



Consider screening caretakers or health care workers who come to your home each time (temperature checks, contact exposure questions).



Know when to call your primary care provider. Do not arrive at a medical facility without instruction!



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BUILD A SUPPLIES & EQUIPMENT KIT



What does your child need on a daily basis to live and thrive? This should include medication, supply labels, and backup power sources, Multiply for a two week supply.



Develop an Emergency Information Form (EIF). This form is meant to give healthcare providers a snapshot of your child's medical condition(s), medications and special healthcare needs in an effort to optimize care during emergency or disaster situations.



If allowable or feasible, place advanced orders for supplies with your suppliers. Ask your provider to write a prescription for additional medicine, supplies or equipment.



Consider your child's mental and behavioral health. Comfort items are important for calming to reduce anxiety when routines are disrupted. Include items such as sensory needs, toys, and books.



Put together a kit for your caretakers as well. This can be a duplicate of the kit you make for your family. Are you prepared to take over fully if you are separated from your caregiver?

RESOURCES

Useful Links

[EMSC Innovation and Improvement Center](#)

[Family Voices](#)

[AAP: Children and Youth with Special Needs](#)

[Pediatrics](#)

[Emergency Information Forms and Emergency Preparedness for Children With Special Health Care Needs](#)

[CDC: Children and Youth with Special Healthcare Needs in Emergencies](#)

Downloadable Resources

- [NPR Goats and Soda: What Kids Want to Know About Coronavirus](#)
- [Center for the Study of Traumatic Stress: Taking Care of Your Family During Coronavirus and Other Emerging Infectious Disease Outbreaks](#)
- [Relaxation Techniques](#)



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A special thanks to FAN members Julie Johnston and Laurie Warnock for help with the content!

Be sure to check out the new and improved, designated [Family Advisory Network](#) page on the website! Here you will find a brief overview of FAN along with a video capturing the compelling stories of the FAN representatives.